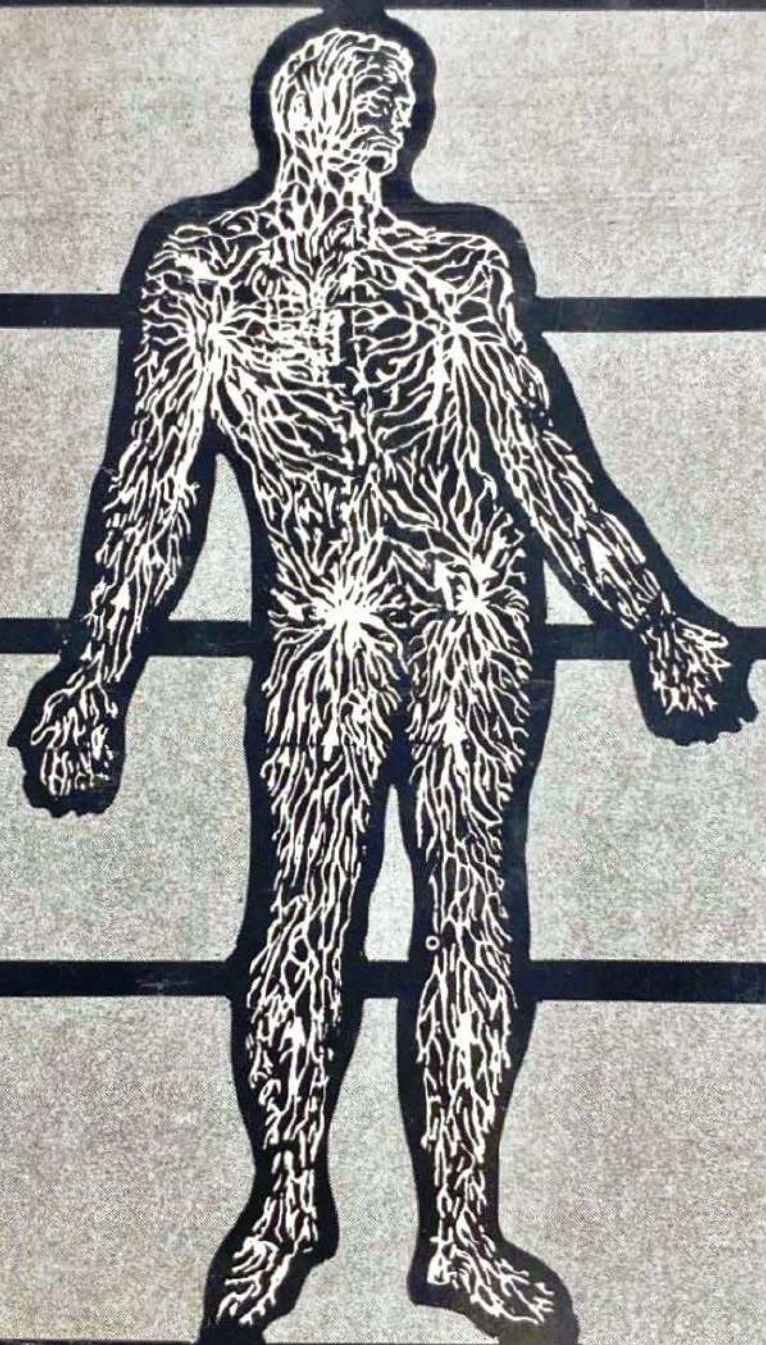
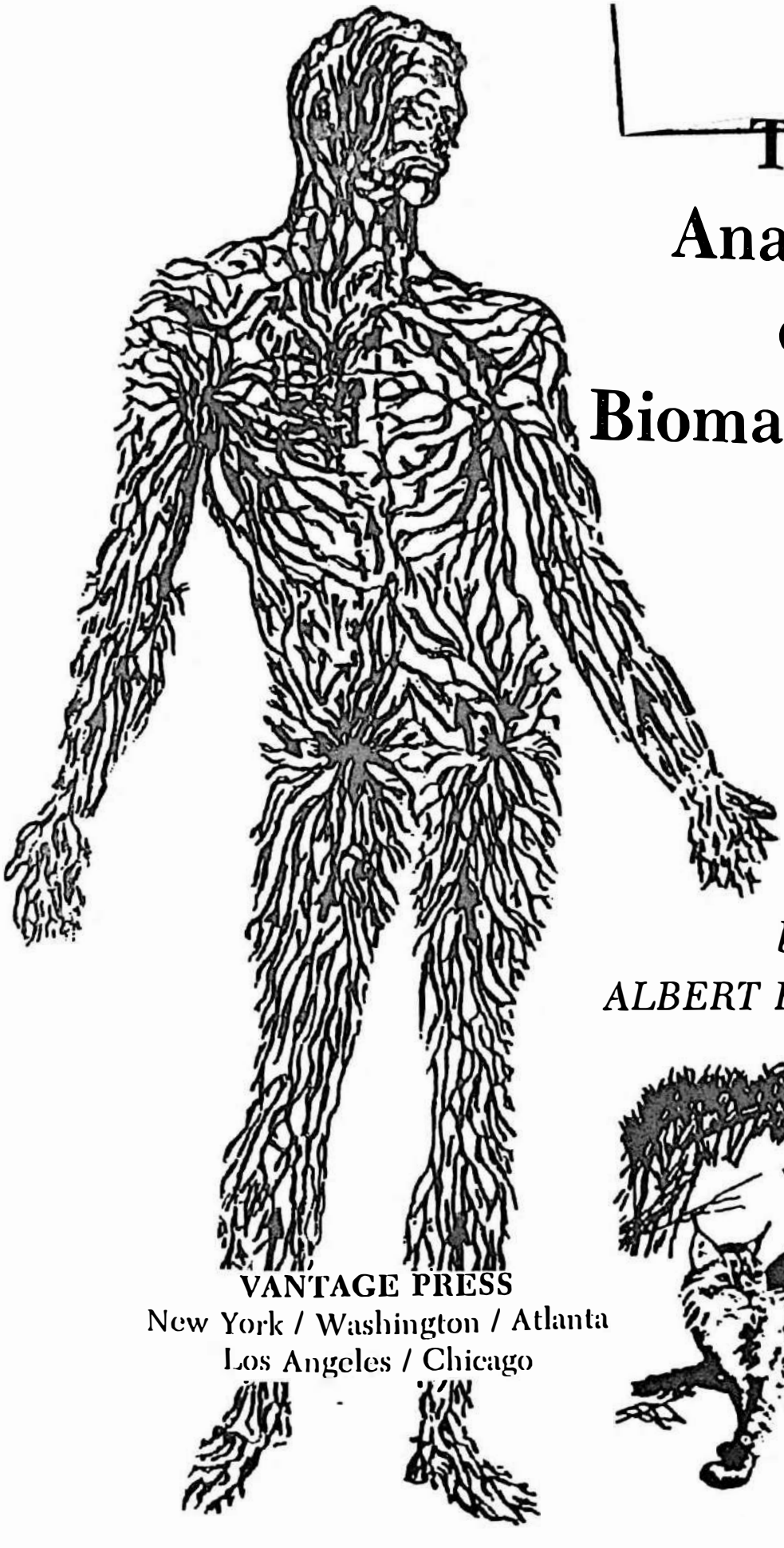
THE ANATOMY OF BIOMAGNETISM



Albert Roy Davis



The Anatomy of Biomagnetism

by

ALBERT ROY DAVIS

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Preface: What to Expect from Research

Any person, young or mature, scientist or layman, regardless of his educational background, when he undertakes to study a subject he is then, in every sense of the word, researching. He is "a researcher." Science means knowledge. We gain knowledge only by study, learning, and examining known or little-known subjects.

The science of biomagnetics is the study of how the two poles of a magnet—magnetic energy—affect biological or living systems. Not only living systems, but, as your author will point out to you in the following pages of this revised book, magnetism actually can affect all materials when properly applied.

As nearly all major discoveries were made by accident or the results of returning to the very beginning—the basics of a science or subject—I urge you to read and reread this handbook on biomagnetism. Your author has, as the results of years of research into magnetism, written this book based of facts and results of factual, physical research. We may as time passes and more work is done find that this natural energy—magnetism—holds even greater discoveries than we at this time can think possible.

I have tried to stay away from theories and utilized actual reference tests and experiments.

—Albert Roy Davis

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Note

Research findings presented apply to lower and to higher forms of animals and living biological systems.

The text and research work that is disclosed in this book is directed to actual results obtained and that are duplicable by any qualified man or woman or student who is equipped to do so, at any time and at any suitable location. This book is a result of experiments, research, that has been duplicated by the aforesaid members of the research and development divisions within the scientific

community. This book is then to serve also as a scientific paper on the results obtained by this development in and of the application and understanding in part of applied magnetic biomagnetic energies new concepts and applications.

In addition, special mention is made for the work and research of a dedicated doctor, Dr. Ruth Emerson, D.O. She has worked with many animal and biological complaints, which through her years of assistance have proven out the values of biomagnetics and its separate-pole effects to relieve complaints, which have proven very difficult to cope with. Dr. Emerson's work has, with that of Dr. William Ellis, D.O., no doubt, brought to light facts that we here in the laboratory could not have supported without their great and dedicated assistance.

—Albert Roy Davis

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Introduction: A Message to Our Friends

"*Anatomy of Biomagnetics*" has been written to present our findings as to how in part *magnetism* effects the living system and the biological systems, and is the result of over twenty-five years of applied research with animals, which have blood-circulating systems similar to man.

Since the science of biological magnetism is under serious research at this time, in many nations of the world, as it has been for the past fifty years, and is now gaining world attention, and since we feel that biomagnetics will someday play an all-important part in applied medical science, biochemistry, and physics in general. We believe that we should present the basic facts in simple, easy-to-understand language in order for the professionals and the average scientific-minded person to read and become aware of the vast importance of this new, yet very old science.

We will in the following pages attempt to explain again, in part, when, where, and how the science of the use of a magnet's energies became known and was used to aid the healing arts and sciences, dating back some 2000 years. We shall also discuss the effects of other all-*natural* sciences such as the use of colors, colored lights (color-phototherapy)—used today in a number of hospitals—and the power of mental concentration, and how applied magnetism may affect the sciences of psychology and physiology, as well as the science of parapsychology. We further hope to present the reader with facts which deal with the many other natural sciences, such as acupuncture and the applied reflex sciences. The now provable "diagnosing with a magnet," facts in each case, is not an old or time-

worn theory. We shall also discuss human and animal gravitation as to the effects on weight and body fluids, and a review (brief) of the work now going on in the Soviet Union and Japan biomagnetics and allied-science research.

We shall show, in part, the effect of applied magnetic energies on subjects of great interest, which are again, in part, immunology and aging. Also, drugs and alcohol: How and why does the research application affect persons and materials, and can magnetism assist toward finding the answers to these and other most-difficult-to-cope-with conditions?

We shall also review the effects of magnetic fields on plain drinking water, how it changes water. How magnetic water (magnetically treated water) is used in the hospitals in the Soviet Union. How biomagnetics are used, actually in use, in, again, U.S.S.R. medical hospitals and research programs. We shall also report on our findings as to how we have used the poles of a magnet to relieve ailments suffered by animals, which again are similar to those suffered by mankind.

We offer this information, only, to expand the knowledge of the science of biomagnetics—not for use on human beings—as information *only* to update the knowledges of these sciences.

—ALBERT ROY DAVIS

THE ANATOMY OF BIOMAGNETISM

1.

The Effects of Magnetic Fields on the Living System

In undertaking the study or research of any science, the professional or student must have some knowledge of why things happen, not simply that they do happen. Biomagnetics is then the study of the effects of a magnet's energies, and is not associated with any radio frequency, instrumental method of producing radio waves, diathermy, or any other form of electromagnetic energy. A magnet's two types of energies, its two poles, north and south, present two completely different forms of energy when applied to a biological system.

1. If we were to take a sample of animal or human blood and spin off the fluids (the plasma) and leave only the red blood cells, then place these red blood cells on a slide and insert them into a good microscope, we would see that when we bring a magnet up under the slide the red blood cells all spin around and point in one direction. This is the polarization, alignment, of the iron and ions in the red blood cells, and when you can align any form of energy so that, as the red blood cells show, you have gathered strength, power, and/or energy, amassing a separated random energy into a condition where that energy is brought together to then be a higher level of energy, you have made an outstanding contribution toward upgrading that energy level.

2. What happens in the arrest of certain diseases, cancer in laboratory rats and other animals, and leukemia in blood? Bio-

magnetism can and has arrested these conditions. The conservative American Medical Association saw this and it's now confirmed from actual visual tests—biological tests—the Kathy Solis presentation before the A.M.A. After only four years of exposing many animals to magnetic fields, this fine young scientist presented these facts: That when these affected animals were exposed to 3,000 gauss magnets both poles—again, the erythrocytes in peripheral blood was greatly increased, while the number of leukocytes was reduced. However, when she removed the animals from the magnetic field of both poles the condition again grew worse. The reason for this was too much time exposure to the cancerous conditions and use of both poles of the magnet at the same time. We will in this report present facts that now show us that each pole has a singular effect, and time, power, and location of each can effectively control many complaints.

AUTHOR'S NOTE: Re the Kathy Solis Research, refer to: *Prevention*, Feb., 1973.

2.

Anatomy of Biomagnetism Research Report No. 1

The effects of a magnet's magnetism on animals and living systems and the outstanding results obtained in this research has brought about the title of "biomagnetism." This new title or name for this very important science explains it in full. That is: Bio, to define biological; and magnetism, to be defined as magnetic fields, as those generated by a magnet. While we will in this paper direct our attention to the results of many years of practical and technical research with magnetic fields, we will refrain from getting involved in the physics of magnetism, as this then takes us away from the basic values your author wishes to present to the researcher in this paper.

Since this paper is to deal with a little known of, or understood science, yet one now gaining great interest and research in many countries of the world, we now wish to remove the basic misunderstandings regarding this form of all-natural energy.

In professional theory, the effects of magnetic fields on biological systems, as technically described in all books written on this subject by outstanding university and college and also professional biomagnetic researchers, still to this day remain incorrect as to their understandings of this science. They are incorrect in that people continue to write and describe the two poles of a magnet as being the same, or "homogeneous," meaning the exact same in nature and effects.

The truth of the matter is, a magnet provides us with two completely different forms of energy, coming from the two poles of a magnet or any magnet or type of material that will present the two basic pole energies as we know them to be. These two types are generally known as the north pole and the south pole of a magnet. A number of years ago we isolated the two poles and measured their effects to biological systems and found that each pole presented a different reaction to living systems. There was a great difference between these two poles, thought of as being the same, and this common theory was in fact totally incorrect. Later we were able to technically support this discovery by the actual measurement of the direction of the electron spin that is given off, presented, and transmitted from the two ends or poles of all magnets.

Further, we discovered that the direction of the movements spins of the electrons (magnetic energy) were reverse in nature, one to the other. That, in fact, the energy coming from the south pole of a magnet moved, traveled, and took on a spinning vortex of energy that cycled, moved to the right or clockwise; while that energy coming from the north pole of a magnet spun, moved, cycled to the left or counterclockwise.

The discovery, one that was not confirmed until the development of the present Space Age and until the actual magnetic measurements were made by complex technical magnetometers from space, was that the energy of a magnet, like that of the energy of the earth's two magnetic poles, the North and South poles, did not simply leave one pole and travel around the magnet to reenter the other end of the magnet, but, on leaving the south pole, traveled only halfway around the magnet to rephase itself. In other words, it returned to the center of the magnet where it altered its electronic spin, taking on a reverse spin and resultant form of energy to then leave that center of the magnet, or earth, and continue on to reenter the north pole of the magnet, or earth, as the case may be.

The space research then proves this to be factual and positive, direct, provable knowledge, as the divisions of the earth's own magnetic energy, and this, when applied to a long bar or cylinder magnet, we find is the same law that now allows us to better research and understand this form of natural electronic energy.

Before these confirmations of our research findings were made, we developed a method of photographing the invisible lines of force that are transmitted from the two poles of a magnet. By this development we proved that the two poles were totally different in nature, as we were then able to see the two spinning vortexes of magnetic energy and examine them in detail. This photographic system in color was made possible by the use of a cathode-ray vacuum tube and the directions of the magnet's singular placed poles to the cathode-ray sweep. This then resulted in the photographic visual display of the magnet's two forms of energies.

It was during these periods of biomagnetic research that I discovered the two effects of the two poles of a magnet to a living system, and systems.

3.

The Effects on Living Systems

It was soon found that a common horseshoe magnet was all but worthless for this research work. The reason found was that the two poles of a horseshoe magnet are physically located too close together to allow research use of either of the two poles as a separate and different pole type energy.

Then it was necessary to seek out and use, develop and make a long straight magnet having the two poles, the north and the south pole, on each of the two well-separated ends of this type of metal or composition magnet. We could then apply either pole only to fluids, seeds, animals and record the effects of only the one pole of that magnet, as it was then possible to use without the interference of the other pole being present, as in the case of the horseshoe magnet where this could not be done correctly.

The first series of experiments dealt with animals and seeds only. Following this came research into fluids, the upgrading of proteins, vital acids, food values, that took place under the two separate poles of a suitable long magnet. It was soon discovered that the south-pole energies of a magnet were positive in electrical nature and also transmitted a positive effect to living systems, from seeds, which are a form of life, to the lower types of animals such as mice and rats, small fish, and other creatures.

The discovery was that the north pole of the magnet presented a negative electronic energy and also a negative effect to the research

subjects' biological systems. Whereas, the south pole presented a positive energy and positive effect to the many forms of living systems.

4.

The Reactions from the Applications of the Two Poles of a Magnet to Living Systems Including Seeds

The first reactions of the living systems to the force fields of a magnet, its two poles, resulted in the findings that when seeds were placed in the south pole of a magnet for several hours, from 6 to 81 hours to 200 hours, then planted, they presented an improved growth result, a hardier plant, and better yield of products, as in the case of vegetable seeds. When we used the north pole of the magnet to treat the seeds they developed into thin, tall plants, poor vegetables when grown to maturity. Meanwhile, in the stages of primary growth, these things were also noted in comparing the plants with the same seeds planted without treatment of the magnet's pole energies. The untreated seeds and plants then acted to serve us as controls—untreated seeds and plant results.

In laboratory analysis and examinations of the vital life-support biochemicals of the leaves, stems, and the end product, the vegetables themselves, we found that the protein, sugars, and oils were higher in the seed plants treated with the south pole of the magnet than the untreated or control-plant products. The analysis run on plants and their products grown from seeds treated with the north pole of the magnet were lower in vital life—biochemicals—and the food-products results were lower in protein, sugars, and oils than the untreated seed plants or control plants. The untreated seed

plants then acted as a guide to go by in comparing the end results of these experiments that took several years, part time, to conduct. The results in treating sugar beets with the south pole energies resulted in greater production of natural sugars, and treating peanuts with the south pole produced more natural peanut oils and protein contents.

Not content with these findings, we then turned our research to small creatures such as earthworms. It was found that when the worms were treated by exposing them to the south pole energy, after the birth of their young, the baby worms grew larger and stronger than the untreated control worms that were used as a measuring stick, a guide, to compare this experiment's results. Hundreds of tests were run and the results were the same as the treating of seeds to the two poles of the magnet. Since earthworms are 90 percent protein on the average, this protein when tested presented further evidences of the increasing effects of the south or positive energy of the magnet on the protein of the common earthworms and their biological protein structures.

The same pattern of research was then undertaken on larger creatures such as the mouse and other members of the rat families. Again the south-pole positive-reacting results were noted in terms of larger, healthier rodents and their offsprings. Following these research experiments that took parts of a number of years to examine the results of the magnetic field's exposure, the linear effects and results presented the proof that the right-hand spin of electrons as provided by the south pole of a magnet did indeed increase the overall vital life forces and the biochemical strength of all animals it was applied to.

5.

Anatomy of Biomagnetism
Research Report No. 2

The north-pole energies, when directed to the system, acted to arrest life, and slow the development of, maturity, and growth of all life systems so exposed.

These major breakthroughs then presented the possibility of the development through additional research of new and vitally important uses for this energy in the field of medical research.

Should we pause for a moment and study the two effects of the two poles of the magnet, we can see how this could be used to contain and arrest many difficult disorders that at this time the medical profession and the medical researchers find very difficult to arrest or control.

Cancer

We have since then directed our research toward the control of many types of diseases and biological, living-system complaints. We feel that foremost of all work done so far is the arrest of the spreading of cancer cells in animal research. While this appeared to be the most difficult of our research undertakings, it proved to be one of the foremost discoveries. We were able to obtain a number of live cancer tissues and, as we were all aware, it was necessary to

infect a local area of a living system before a transplant of live cancer tissue can be made to take and form the first stages of a condition of cancer. We soon found that it was impossible to transplant live cancer tissue cells to a healthy animal, as the cancer cells will not multiply or take in such healthy tissue. After infecting the tissue of mice, rats, and other animals then it was possible to have the live transplanted cancer tissue cells to take and form a small infection-laden tumor.

Now before proceeding, it is well that we remember there are over 100 types and kinds of cancers known at this time, so making a direct statement that all cancer types can be arrested by any method known then depends on the availability of all these types and transplants having been made and magnetic exposure made and the results noted. So we will contain our remarks to the known research results only, and that is from primary to advanced types of the 1, 2, 3, 4—*A*, *B*, *C*, *D*.

Types have been arrested by the application of the negative energy of the north pole of an 1800 to 3500 gauss unit magnet's pole. (The term gauss is the unit of magnetism, as is the term volt a means of measuring voltage.) After obtaining a transplant growth development of transplanted cancer and the forming of cancer cell destruction—the forming of cancer tumors—it was then possible after time had passed to allow noticeable growth and development of the cancer to be arrested to a point where the animal's body took over, and the normal cells were again produced in amounts needed to overcome the loss of the cells by the cancer's destructive breaking down of normal cells (as is the reason why cancer is formed in the first place).

Prior to this undertaking of cancer-control research, it appeared that all available types and kinds of magnets were just not suitable for this work. It was then that research was undertaken to design a special type and kind of magnet to allow a better application of this type of energy to be directed to the animal's system. It was soon discovered that, with the advancement of modern technical methods, new materials that magnets could be made from were available, and from this research came the design of a flat slatelike magnet that allowed 3000 gauss averages to be kept over great

lengths of time with little loss in energy. The N-1 type of biomagnet then was contracted for and used in this research.

The N-1 biomagnet is now used and is approximately six inches long by two inches wide by one-half inch thick. It is nonmetal, its composition is ferric materials that are mixed with a gray-black coloring material that looks and appears to be made of slate. When magnetized, it can transmit fields of approximately 3000 gauss—of either the south pole or the north pole magnetic fields. While it can be broken by dropping or rough handling, its value is far above the metal type of magnets. Its life is from three to five years, then it can be recharged again and again as is needed

It is this type of magnet that is used in most all of our research in biomagnetics, and it is the type of biomagnet used in the following resultant research case reports.

In the arrest of transplanted cancers and, later, advanced skin cancers, the time was forty-five minutes, three times a day, for three weeks. After the first week of this research applications, noticeable reduction in the size of the area of the cancer was recorded. As no two animals will react in the exact same manner, time varied as to the total arrest reaction to the exposure of the north pole of the N-1 type biomagnet to the animal's cancer. As a general time, let us say within three months all signs of the cancer had been arrested, removed—less time in many cases.

While it is not generally known, animals suffer many complaints that humans do and with the same pain and limiting physical abilities as do human beings.

6.

New Technology

During my writings conducted in the sixties and seventies, I advised my readers that in my opinion, The Soviet Union's research into biomagnetics led the world's research. They then started in the seventies the building of the world's largest electromagnet for biomagnetic studies. They had it built in the U.S. The reports just in indicate it has produced little effects to biological systems. The reports I have received here, in our attempts to keep informed as to research work conducted in other nations, now indicate that. This is what I reported to you in early and present books and papers, that very high Gauss magnetic strength-power did not work in our biological research with magnets. Meanwhile, with medium-strength magnets, the poles did produce results.

As I have suggested in our research findings, the strength of the magnets' poles used in our books biological research indicate that for the best effects, the strength of the magnets be kept down to 300 to 1000 to 2500 to 5000 gauss. The N-1 and N-2 and W. Type biomagnets were used when our findings were published in all of my books as to experiments with animals. The magnetic tape has 300 gauss. The N-1 has 1800 to 2000 Gauss. The N-2 has 22 to 2500 gauss, and the W. All-Metal Cylinder magnet has approximately 4 to 5000 gauss. These magnets remain the best for the research we have described in our books.

This news report then supports our work and research for the effects, which are the results of applying a magnet's fields.

7.

The Science of Magnetism and Its Effects on the Living System

Magnetism is one of the earth's oldest natural forms of energy, affecting every living system on this planet as it has for millions of years. While the magnetic fields that surround the earth shield us from the sun's harmful radiations and solar emissions, they also influence our mental functions, our health, and our welfare throughout our lives. Plants and lower animals are also affected by this invisible energy that passes through all material and immaterial matter. The science of how magnetism affects biological systems is called *biomagnetism* or *biomagnetics*. The secrets of this great magnetic energy force are now being unraveled and they are astounding.

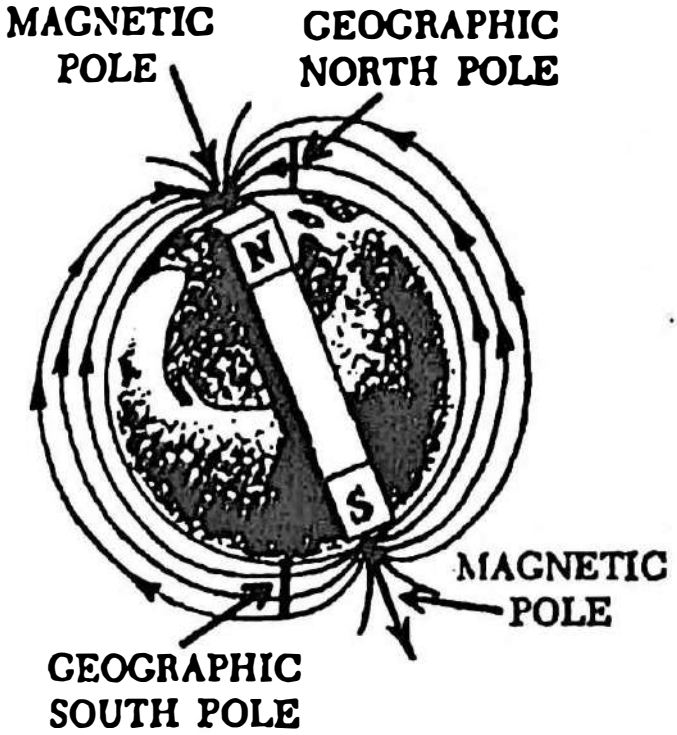
Can we capture nature's magnetic energy and use it for the benefit of all mankind? Yes, this can be achieved. In fact, many nations of the world are trying to determine to what extent man can utilize the new and important findings of biomagnetism. The scope of biomagnetism is virtually unlimited. In over forty years of applying our basic discoveries, we have not found any field of human endeavor that is not affected. For more than 4,000 years, magnetism was considered a child of electricity. Experiments could not be reproduced on biological systems with similar and predictable results. Since our basic discovery in 1936, and developments therefrom, it is now definite that *magnetism is the father of electricity, rather than the child*. And with the energy of magnetism now de-

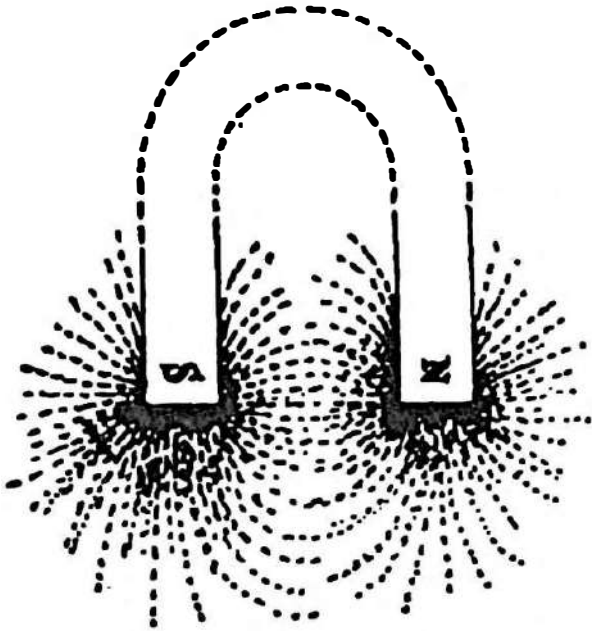
fined and tested from our discoveries as *two separate energies*, not one, as formerly believed, it is now feasible to program expected results on biological systems by the proper use of the separate magnetic energies. Respected scientists have verified our findings and contend that this is the most far-reaching discovery in magnetism in over 4,000 years.

These fundamental discoveries in physics have been successfully applied in medical research, agriculture, and industrial and military uses relating to all fields of science, thus creating a greater appreciation of man's relation to his environment and to his God.

Concepts of Magnetism and Its Biological Application

The present-day teachings of magnetism are shown in the diagrams below. See a bar magnet superimposed on the earth. At present, science accepts that both poles of a magnet have the same general form of energy.





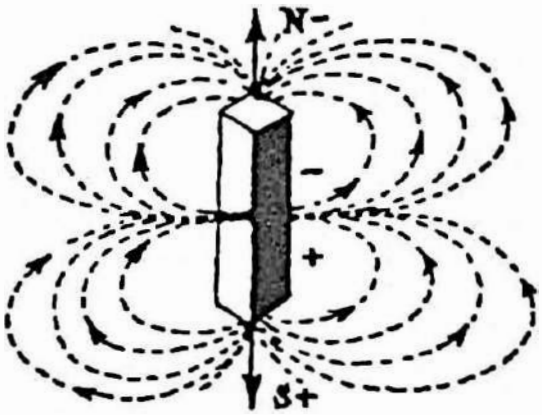
It has been our findings that each pole of a magnet offers a separate form of potential energy See diagrams below. The north

pole has a negative form of energy, whereas the south pole offers a positive form of energy. Each affect living systems in a totally different way, when applied.

ITEM C

The Earth

ITEM D



A Magnet

8.

The Need to Improve the Understanding of Magnetism

Since Michael Faraday first introduced the theory and concepts of how magnetism flows around a magnet, no changes have been made by the scientific community to update this very old and now outdated concept. There are at this time possibly more books written about magnetism than any other scientific subject. The teachings reflect the theory presented by Faraday, that when he took a sheet of white paper and sprinkled some iron filings on its top surface, then brought up under that paper a bar magnet, the iron filings formed a visible number of lines that presented lines of iron filings running from one pole to the other pole of this bar magnet. Modern scientific textbooks still teach that magnetism flows from the south pole to the north pole of a magnet. And further, there is no difference as to the north pole of a magnet or the south pole, as these lines of magnetism are "homogeneous."

We have proven by the research findings and their results reproduced many hundreds of times as described in this book, that each pole is a seperate form of energy and one is totally different than the other. It has taken hundreds of experiments to prove this as a fact. May I now offer in evidence the scientific proof that this is a fact, and not as Faraday's theory presents how magnetism works.

Faraday's theory and his graphic demonstration using iron filings failed to take into account that when an iron filing (a single

filing) is placed in a magnet's field it also then becomes a miniature magnet. These iron-filing magnets then were attracted to each other and did not present the true flow of magnetic energy from the poles of a magnet as they really exist or how they correctly flow.

Therefore, I wish to now present the proof that the two poles of a magnet are, in fact, separate one from the other, and each has a domain (division of energy) different and separate from the other. On the next page you will see a series of actual photographs, which will show you that the two poles of a magnet are separated by an invisible wall, which is now known as the *Bloch Wall,* named after Dr. Felix Bloch.

Should you wish to reproduce this vitally new and important scientific discovery, you should obtain one pound of the magnetic powder named Barium ferrite and one one-gallon jug or jar as shown in the photographs on the next page. Take one-quarter pound of the barium ferrite powder and stir it in with a nearly full jar of plain, clean water. Allow the powder once wet to separate and fall to the bottom of the jar. Drain off this water and again carefully refill with clean water. Continue to do this until after powder has separated and fallen to the bottom of the jar and the water is as clear as you see it in the jar in photo one on the next page (see powder, brown in color, resting on bottom of jar).

Refer again to photo one. You will need a three-inch-long bar or cylinder magnet, or near this length, of one-half-inch in diameter, or close, and a piece of hollow tubing. Insert the end of the magnet into the tubing (see it as shown in photo one). Next (see photo two), lower the magnet down into the jar, to the bottom of the jar. Stir the powder rapidly in a circular motion (see photo three). Next (see photo four), the entire wet powder will turn the water a black brown. Hold the magnet one to one and one-half inches from the bottom of the jar, steady, and watch the barium ferrite form on the magnet and graphically form each pole energies of the magnet into a figure eight. Photo five shows you holding the magnet steady and the true two poles divided by the Bloch Wall in the center. This is then the true and graphic fields of energy which exist on a magnet's surface. Each pole and its energies are then separated and divided.

Photo No. 1

Photo No. 2

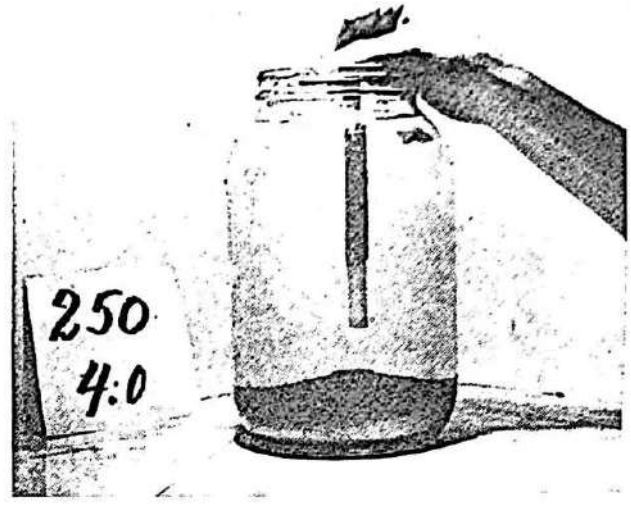


Photo No. 3

Photo No. 4

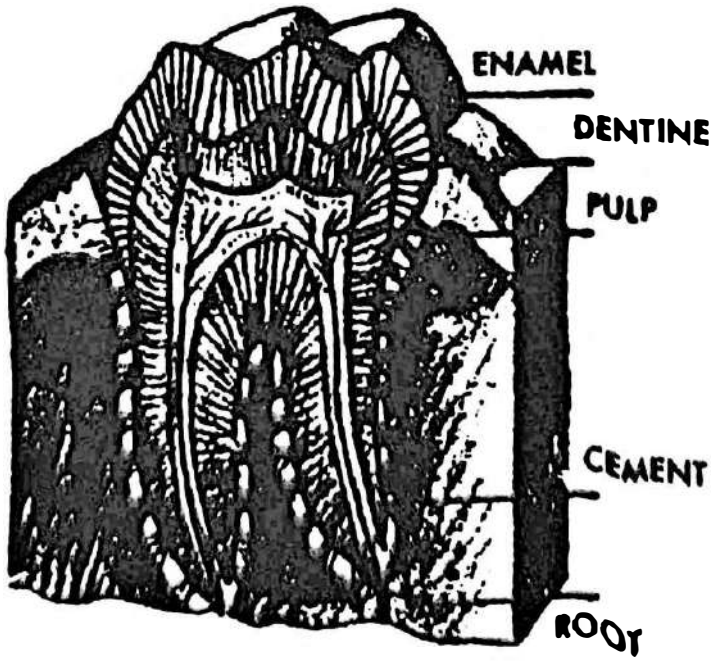
Photo No. 5

Photographs of the Two Poles
of a Magnet (a First)

9.

Dental Research

In our early research, I chose to find if pain (as experienced by a toothache) could be lessened by applying the north pole of a suitable magnet to the outside surface of the face, next to, up, and against the tooth. It was found in personal research that applying the north pole *only* of a Ch-3 type, cylinder magnet for forty to forty-five minutes, twice a day reduced the pain. If swelling was present, the swelling and pain were arrested in two days or slightly longer. Infections had shown in other work to be similarly arrested or reduced.



Cross Section of a Tooth

Dental X rays allowed us to see other arresting actions. Where there were *pus sacks* on the root of the tooth, three days of the suggested research above reduced and appeared to remove the pus sack. For temperature sensitive teeth, in which cases any amount of heat acted to cause pain the use again of the north pole not only arrested, but removed this complaint.

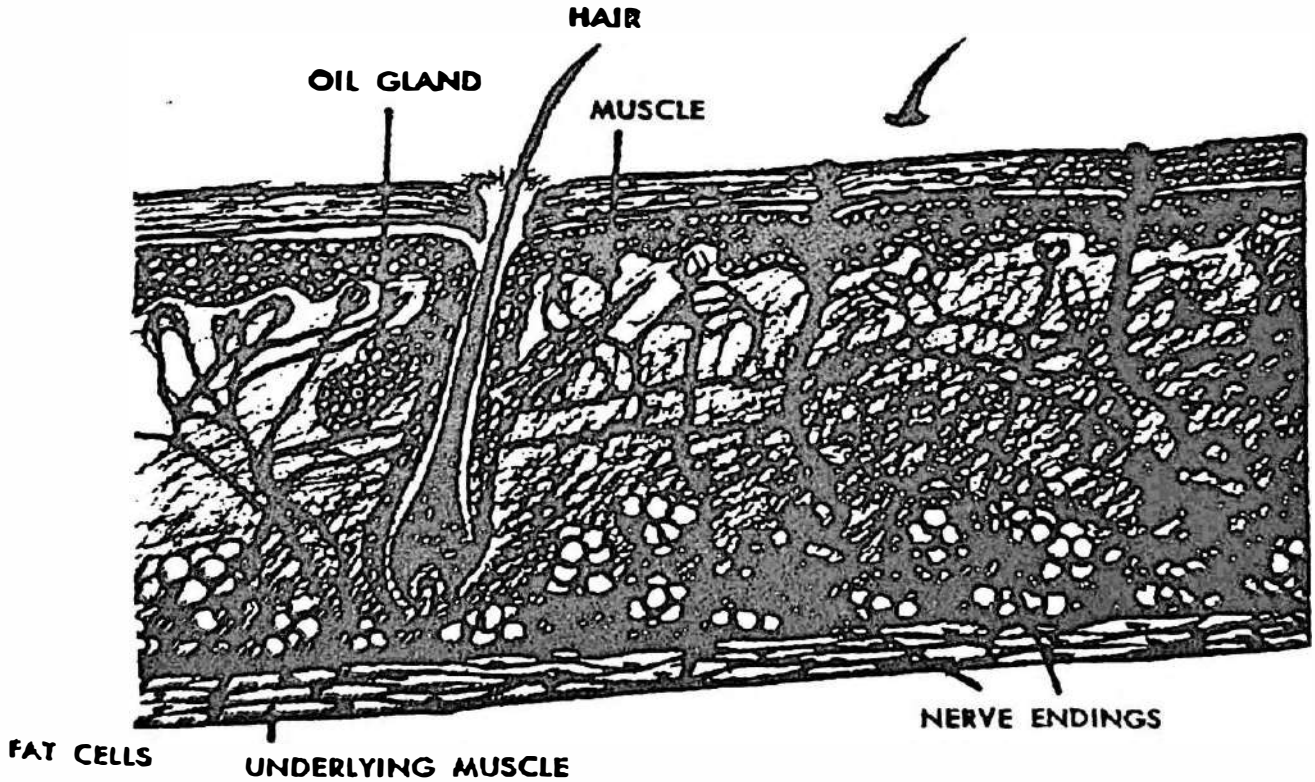
Magnetism—the correct pole—then may serve the dental profession in many important ways, as well as the student and general researcher.

10.

The Hair

Due to the many letters received from so many researchers regarding the research work we have done here in hair growth, I would like to present the following findings.

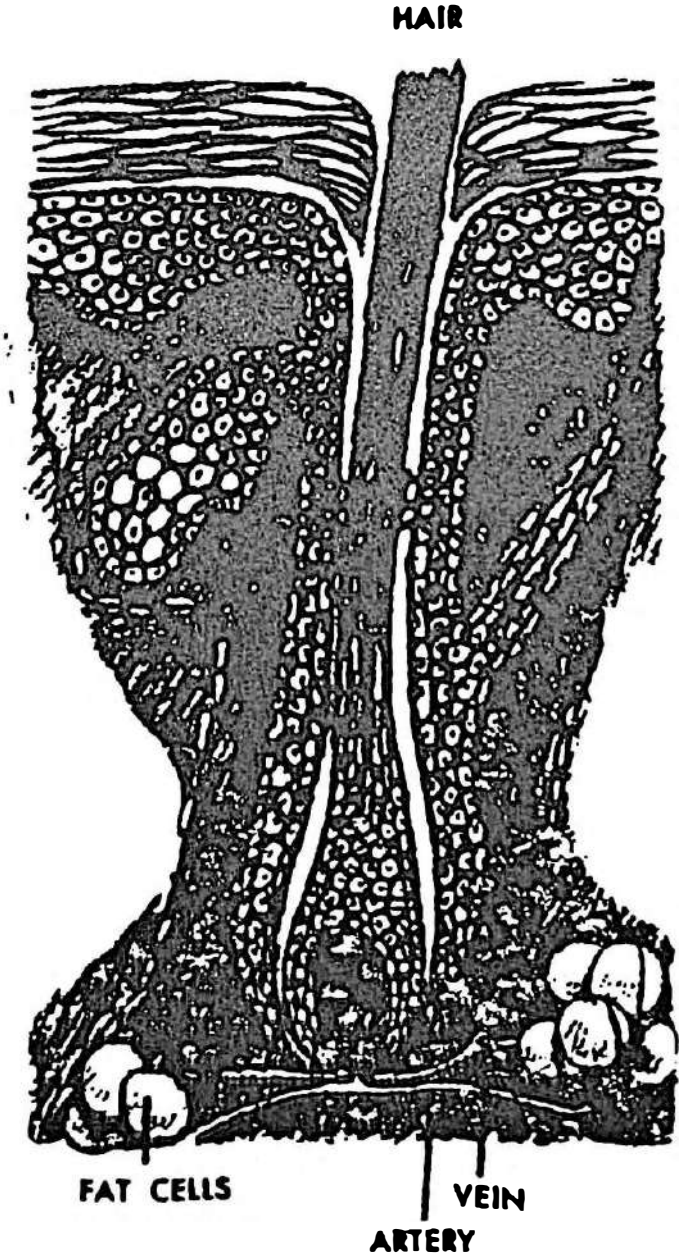
First, the drawings presented here will aid the reader in the



The Skin. A cross section of human skin (left) shows the epidermis top layer and the dermis. The skin represents one of the largest organs of the entire human body.

understanding of the biology of hair growth. In our animal research, I have found that it is possible to stimulate the regrowth of hair in cases where animals have been injured in accidents and large areas of their hair—fur—has been detached or torn away. The circulation of blood and nourishment are the keys to stimulating hair growth.

We have found that when the south pole side of a piece of weak (300 to 100 gauss) magnetic tape is applied to an area of poor hair growth, in several weeks there is a noticeable improvement in the hair growth. This is due in part to the stimulating effects of this low-energy south pole magnetic energy (*Time:* thirty minutes, once a day, *only* to that location).



Cross Section of a Hair. This is a cutaway view of a single hair (right) showing the follicle, which is the opening, or depression, from which the hair grows.

The basic reason I have found for loss of hair in human studies is that blood circulation has been reduced by, in most cases, a tight scalp. Applied, gentle vibration to the scalp acts to loosen it and allow a greater circulation to the roots of the hair. Graying, a result of aging, combines a tightened scalp and poor nourishment of the human system. This reflects on the pigment of the hair and its protein. Hair is nearly all protein, and a low-protein diet may lead to falling hair, graying hair, or loss of hair. Check the list shown on the last page of this handbook. The tape experiment given above for animals has shown benefits to human hair growth, but here nourishment and circulation is a must to restore and keep hair healthy. Time is the same as given above for animal research.

11.

Plant Biochemistry: The Effects of Magnetism on Seeds and Plants

A seed can be compared with a chicken egg in that both have a dormant embryo together with a quantity of stored food, which is absorbed. When under suitable conditions, the seed or the egg is brought to life.

In the case of seeds, before planting them, we have treated them with each pole of a magnet and then planted. The results are clearly seen by planting untreated seeds of the same kind and then watching them germinate, sprout, and grow. Different types, kinds of seeds, need either one pole treatment or the other pole treatment to improve germination, sprouting time, and development. The results are very interesting. I foresee that in the fact that treated seeds germinate and sprout faster, biomagnetism will someday be a great help to all agriculture interests.

I have prepared a book-manuscript on how to properly treat seeds, and the changes which can be made to vegetables, fruit, and other plants. This is titled "Gardening with a Magnet." It can be obtained from the lab here. For more information, send a self-addressed envelope with three twenty-cent stamps to my address given in this handbook.

The photograph captioned *Biomagnetics and Agriculture* was taken during our experimental corn-planting research program. The results of treating seeds with the two separate poles of a magnet—as

Biomagnetics and Agriculture

well as a separate research undertaking where seeds were exposed to colored lights (photospectrum exposure)—have shown seeds are affected by each pole of a magnet and also by each color within the color spectrum of light. Our work is continuing in these fields, together with the use of the color spectrum on animal complaints. The results have presented important new developments in each of these undertakings.

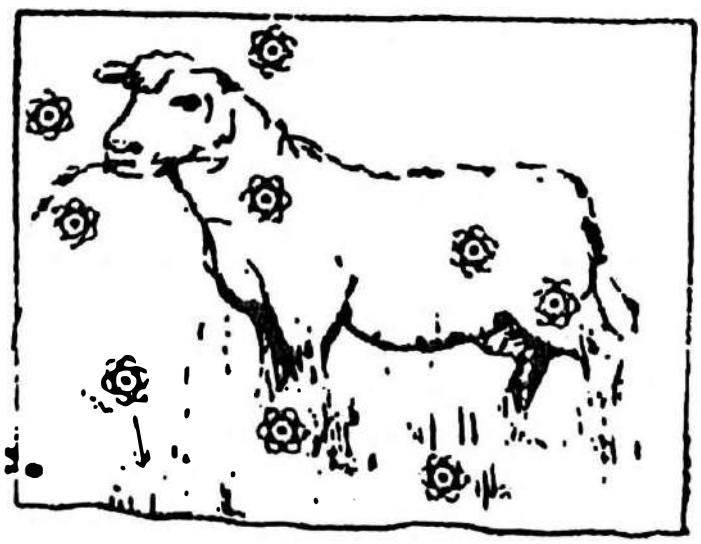
As the energy generated and transmitted from the two separate poles of a magnet has such vast possibilities that we now know and can support the science of magnetism. This natural science is unlimited as to how it may be applied to aid mankind.

12.

Research and Development

Animal Feeds: Effects of Antibiotics

During our research, we have found that animal food, or food in general, can, when treated with the poles of a magnet, cause improved digestion when eaten. Certain proteins and other food values appear to be released from the food after it is eaten, with beneficial results to the animals. In my own personal research, I have also found improved results. The amount of moisture the food has, such as natural foods, appears to show the greatest effects. Dry foods appear to show few improvements. In the following pages we shall show in part that the water, moisture in materials, including foods, are greatly affected by the two effects one may choose to obtain by



exposing foods, materials, even water, to the north or south poles of a suitable magnet. The south pole (we also explain in this handbook how to identify each pole of a magnet) has a stimulating effect and the north pole has an arresting effect.

Our research has further shown that antibiotics, when treated with the correct pole of a magnet, can be improved.

13.

Veterinary

During my research into biomagnetics, which has covered some forty years of practical and applied research with animals, I have made *it a rule that the animals should never be hurt in any way*. As the result, large and small animals of all kinds and types have in fact taught us a great deal more than any books written could have.

Anatomy of Biomagnetics was first written in 1963 to show, in a manuscript form, how magnetism can assist in the healing arts and sciences of veterinary medicine. The reader should note that we have not changed the first basic discoveries as to how each separate pole of a magnet acts to affect living biological systems. We have expanded, added to the findings, procedures of applying each pole to an animal's complaints, as I (we) found again, through the help of the animals, what pole acted to arrest and control certain of many diseases and ailments which animals, like man, suffer from during their natural lives.

Pain, that invisible form of suffering, is one of the many conditions that has shown great promise of control without the use of drugs. Bone regrowth, shortening the time of bone knitting, and wound healing has resulted from the use of the science of applied magnetics. About twenty years ago, I discovered that a limb of a frog or newt could be partially regrown with the aid of the proper field-pole energies of a magnet.

14.

Animal and Human Nutrition

I have been asked many times. "Will applying magnetism to foods assist their (the foods') digestibility or food values?"

I have found, in my research with large and small animals and again using myself as a basis for result testing, that wherever water is present in a food, or any form of liquid vitamin or protein supplement, and this moist food or supplement is exposed to the south pole of a magnet for fifteen to twenty minutes, it is altered. The fluid is made, in a sense, "wetter." It then absorbs into the walls of the stomach and/or the system which digests the foods faster, and transports the nourishment to the blood. Also it has been found that as the bodies of animals and man actually remove only a small part of the total values for nourishment of the food eaten, the south pole effects then could greatly assist in *helping* the removal of nutrients and getting them into the blood.

The north pole, of course, acts to make water surface tension greater: the water is then a less "wetter" water and would or could act to withhold foods' values from the system. Animals, who have only north-pole water to drink, have as the result lost weight. This is a good indicator that a north pole, in part, does act in this manner. In research, it has been found that only *half* of the water consumed by an animal should be north pole treated water, as to provide them with all north pole water total intake results in too much activity and too rapid loss of weight.

15.

Colors and Their Effects on the Biological System

For thousands of years man has used colors, colored lights, to attempt to ease the suffering of men and women and children. In India and Asia this practice continues today. Colormetric sciences in the United States have, due to the medical and scientific community's resistance to properly investigate them, progressed very slowly. I feel strongly that the work and research of men such as Dr. John Ott, Light Research Laboratory, Florida, and the announced work of Antony F. McDonagh, Lucita A. Palma, and David A. Lightner (refer to: *Science Magazine,* Vol. 208, April 11, 1980) have proven that applying certain colored lights (blue) to rats converted the bilirubin in the skin of jaundiced rats. This means, in short, that *phototherapy* transmitting the color *blue* to living systems affects the biochemistry of that body. While each year many thousands of newborn babies were affected by neonatal jaundice, they are now treated with *blue light* phototherapy. This treatment is applied as the blue light acts to prevent brain damage that is caused by the cytotoxic metabolite. Yellow metabolite diminishes the risk that the yellow pigment will reach the brain where it can produce a toxic effect.

We further see that white light is also used in this applied phototherapy. White light is, as we all know, all of the colors of the spectrum. When they are combined, they produce white light. Colortherapy then is now at last coming to light, and as my own

research into colors and their effects on living systems has shown, each color does affect living systems in different ways.

In my research into the effects of colors light rays on biological, living systems, and on the teachings received here from the masters of many ancient sciences, by men from India, Asia, Japan, and China, I have discovered that to "prove out" colors and their effects is simple. Take a number of seeds, treat some with red, green, blue, and yellow light for twenty-five to thirty minutes, plant them, and watch the difference they show in the time it takes the seeds to germinate (sprout). Keep some away from all light and use these as a means of seeing the difference between each color-treated seed and the unexposed (normal), untreated seeds. The results will be highly educational as to lights and their effects even on seeds. The colored light you use should be fairly close to the seeds, three to four inches away.

You will learn a lot by placing growing plants of the same kind under different colored lights, which are about two to three feet above each pot. The growth rate will amaze you. Health, color of leaves, and flowers will be impressive in each case where the colored lights are shining on them eight to twelve hours a day. Under red light, the plants grow the best: under green light and yellow light, growth is reduced. Blue light produces a moderate slowing effect.

Magnetism and Colored Lights

We have developed methods of modulating colored lights, with a magnet's separate poles. This research is now going on here, and allow me to say at this time that the results have been very rewarding and may develop into a totally new method of increasing the effects of phototherapy to assist the healing arts and sciences.

16.

Phychology and Parapsychology

During the past fifteen years, the Soviet Union has increased its research and training in the fields of parapsychology. Can and will the natural science of biomagnetics help and assist in this training to improve the abilities of the mind to become more sensitive to its natural abilities? I feel the answer to this is a very firm "*Yes.*" Phychology-psychology are a team and they assist greatly to improve the abilities of a suitable person who is to be trained in parapsychology. While I receive many scientific reports from scientists in many countries around the world, the news and reports from inside the Iron Curtain—the Soviet Union—exceed any other information as to the speed in which they are training and developing the science of the mind and its abilities to transmit and receive graphic communications. I share the feelings of many who fully believe this program is aimed at space communications and diplomatic intelligence.

When I undertook to enter the field of psychology some sixteen years ago, I became aware of the outstanding work of Dr. Hans Selye, M.D., Ph.D., of the University of Montreal, Canada. He is one of the world's foremost authorities on stress. Upon meeting with him and working with him in the exchange of information, this in relation to stress and the effects of magnetic fields on the brain, which acted to affect the mind and its ability to reason, I became more fully aware of the possibility by which each pole of a magnet,

when properly applied to the brain, could act to assist the sensitivity of the brain, therefore the mind. One of Dr. Selye's outstanding works is his book, *Stress without Distress*.

Extrasensory Perception and the Mind

While the brain is the physical material, the mind is the reasoning, thinking entity. In our research with animals, I found that when the north pole of a small magnet was placed slightly above the bridge of the nose and slightly higher than the center of the eyes for fifteen minutes a day, or twice a day, teaching animals became far easier to do. Did this simple act aid the ability to retain instructions, teachings?

I then tried this on myself and found that the results were an improved awareness. While there is a great deal more research necessary, the primary results seem to show that magnetism properly used can and will assist the process of thinking and reasoning, and even the process of learning. Think for a moment what this would mean to mentally retarded children and adults. (Research funds are needed now.)

It was then the opinion of Canadian scientific groups that my work in this field should be rewarded. A Ph.D. and award in the Arts and Sciences (human sciences) were presented. I wish to continue with this research, as the abilities of the human mind and brain hold so many unknowns that the research work all nations are doing is a very primary and fundamental attempt to understand its great potential.

I fear that certain nations may use this greater understanding of the mind against many peace loving people and their countries.

Your author received (receives) visitors from all parts of the world, and I witnessed feats which cannot at this time be explained in that, unless one wishes to learn and understand, these mental feats would not have been shown me. I hope to write of these later.

17.

Acupuncture and the Reflex Sciences

In our communications with many of the nations' and world's foremost authorities in the science of applied acupuncture, I introduced, in part, the use of a small magnet attached to the steel acupuncture needles. In and during this applied research, it was found that each pole of the magnet acted to either stimulate the nerves at that acupuncture point or to further aid in the suppressing of the nerve reaction at the point where it ended at an organ, section, or function of the body. This again supported the fact that the south pole of a magnet stimulates, and the north pole acts to ease or slow down or arrest activity. Gold, silver, and platium needles also, have shown reactions in the applications of the pressured or inserted needle to nerve points. This further presents additional evidences that non-magnetic metals also carry energies from a magnet, even if those energies are not of the type we have been given to believe would be so affected by magnetism. We offer this as a new and important additional development in the biological and medical use of magnetism.

The Applied Reflex Sciences

In applying a stress or strain, pulling or applying weight to extended members, parts, or sections of the body will result in

physical changes which then will point to difficulties which exist in or on the many parts of the body and its functions. Each separate pole of a magnet aids, when applied to these strain points, in further amplifying the indicated changes. These then point to a physical under-or overfunction of that body.

18.

Biomagnetics

Biomagnetics has shown its importance in the sciences of acupuncture and parapsychology. However, it is also significant to know when the initial concern took root as to the possibility that a lodestone (nature's own magnet) held the secret to aid in the relief of human suffering. The ancient Chinese experimented with the *Yin* and *Yang* of body energies. Many references relating to the use of nature's magnetism have been found in the works of Hippocrates, the great and renowned Greek physician whose works and writings date back to 460 B.C. The noted Greek physician of the second century A.D., Galen, described a magnet as a purgative in the ninth book of his *De Simplicium Medicamentorum Faculatibus*. We also find that the noted Arabian physician and philosopher, Avicenna, used magnets to treat diseases of the liver in about A.D. 1000. Ali Abbas, a famous Persian physician during the tenth century, wrote in his *Perfect Book of The Art of Medicine* that magnetism as that energy coming from a magnet would cure gout and spasms.

Our research into the history of magnetism reveals that during the early 1500s the Swiss physician and noted alchemist, Paracelsus, used magnets to treat such diseases as hernia, dropsy, and jaundice. Sir William Gilbert, private physician to Queen Elizabeth I, and one of the foremost physicists to delve into magnetism, opposed the belief that magnetism had any effect on the living system. Here we find the first of many noted physicists who disagreed, as they do

today, that magnetism could relieve illness or disease. Many books written about Sir William Gilbert's works misquote his statements by indicating that he agreed that magnetism had a beneficial effect on the living system. In his book *De Magnete,* he, according to the reported research by E. H. Frei of the Weizmann Institute, ridiculed the idea that magnetism could be used in any way whatsoever in medicine. So, it would seem, Gilbert was one of the first renowned physicists to refute magnetic energies as a new tool to aid the science of medicine.

Modern science still has little knowledge of magnetic effects on man, and this has become a serious threat to America's technological advances. The Russian progress now being made in this field, which confirms our work that magnetism does affect all matter as well as all mankind and all living systems, makes us pause and wonder where American science is heading by its lack of concern for the importance of this science.

Focusing now on a more modern consideration of biomagnetics, we examine the work of such a man as Dr. Kilner and his approach to the possibility that a human magnetic field exists around all living bodies—the Odic Forces, human aura, the electromagnetic etheric body, the outer and inner human electromagnetic aura, or whatever name you choose to use. Was he right? Modern science has to admit, regardless of whether it chooses to or not, that there is now a traceable and measurable electromagnetic energy that flows over, around, and away from the living body. This supports the work that previously suffered so greatly as Dr. Kilner tried to prove its existence.

We are also sure that the works of Dr. Baron von Reichenbach are well known to all serious investigators of ESP and parapsychology. Baron von Reichenbach's experiments are reported to have consisted of an excess of 1,200 actual tests to support that an Od, as he termed it, existed around all human beings. We have, using modern electronic instruments, proved beyond any shadow of a doubt that a human aura does exist.

For further details, refer to my book *The Rainbow in Your Hands,* Order from the lab here at $6.95, plus $1.35 postage.

19.

Gravitation: The Effects of Each Pole of a Magnet on the Flow of Body Fluids

My research started in this field when it was noticed that if there was water on a knee, and we placed the north pole of a magnet above that knee for thirty to forty-five minutes, the next day much of that water had moved to where we had placed the north pole of the magnet the day before. This discovery then led to moving unwanted water from its location slowly to the kidneys, where it appeared to be absorbed and released from the system.

Therefore, body fluids are affected by the gravitational attraction or repelling action of the poles of a magnet. The north pole attracts body fluids to where it is applied, and the south pole acts to expand, to move the body fluids away from where the south pole of the magnet is applied. Applying the north pole to a bleeding cut, the cut heals sooner and the bleeding stops sooner. Just the reverse is true with the use of the south pole.

With infections, white blood cells, the bodies defending cells, are attracted to where the north pole is placed. This then, in part, may account for the arrest of many infectious conditions we have noted in infection-control research. We suggest to the medical student or professional researchers that water removal from areas of the brain by use of the north pole should be looked into as a new tool for medical science. A dissolving action, also a feature of the use of the north pole of a 2000 or 5000 gauss magnet, has proven effective in treating blood clots.

20.

Biological Signal Transmission: Diagnosing with a Magnet

In some of my early writings, I have discussed the possibility of actually diagnosing, with the two separate poles of a magnet. Now as the result of seven years of testing in the laboratory, and with work done in the field by doctors of medicine, commercial science, and naturopathy, who assisted so that this could be done, I can now advise you that it has been proven out. It can now be revealed how in general it works.

Example: When the south pole of a magnet is applied to an aching tooth, the pain grows worse. The south pole applied to a skin cancer causes the cancer to develop faster. When the north pole is applied to an aching tooth, the pain lessens. The same applies to skin cancers, infections, sores, and swellings. Both human and animal bodies react to this easing or worsening of a disease or a condition abnormal to the body. The reaction is one which acts to show visible changes in the physical appearance and length of certain of the extended members. We have prepared a manuscript on this and in simple language instruct how to do this with a suitable magnet.

If the researcher would like further information, please send a self-addressed envelope three twenty-cent stamps to the lab. (Your author's address is elsewhere in this text.) Such use of a magnet is a new and very exciting research-project undertaking—a new method of screening for complaints offered for research and educational study.

21.

Immunology and Aging

Immune: to be protected against a disease or a condition. *Aging:* to age, to grow older.

Does biomagnetics hold the answer in part to these two conditions? In research work here, I chose not to use the word immune, as it covers far too large an area. May I say I feel, that as the result of our research with animals, we can offer, through biomagnetics, to assist in guarding against and arresting many complaints which man and animal alike can experience. Radiological exposure is one example.

We have in the laboratory slowed down aging by exposing mice and other small creatures to the south pole of a magnet during their birth and primary maturity. Rats and mice have been so treated and have lived twice their normal life span. This has been proved by experiments carried on in the laboratories of Pressman (Russian translation) according to papers reproduced during the primary stages by the Barnothy team of doctors (see references) of the University of Chicago. The use of the south pole of a suitable magnet, such as the N-1 type, 2000 gauss, on animals, has shown changes for the better in hair, fur, coloring, youthfulness, activity, and overall general improvement of their health. Applying the south pole of a suitable magnet to the seat of the animal for thirty minutes daily (evenings) has supported this research. The results of strengthening the animal and slowing aging are somewhat contradicated by increased sexual activity, which if allowed to go unchecked reduces

the normal life span, due to a weakening of the system.

Since sex is an important part of all biological systems, as it is the transfer of the seed that allows reproduction of the species, aging is then the slowing down of the body's ability to reproduce cells. If by the use of biomagnetics we can encourage the body's strength, then sex again becomes possible, and again becomes a part of the animal's life. Excessive or constant sex by the male of the species results in shortening the life of the animal. The heart of the male is the first to react to sex, the act of sex, because the male looses his strength at a very rapid rate during this biological act. The female's emotional reactions do not result in a high loss of body proteins, as does the male. The female ages slower, lives longer. However, there are many other conditions which act to speed up or slow down aging, as we all know.

In mice and small rodents, the increasing of strength by the research methods given here then acts to slow down the aging of the male of the species. Strength acts to provide the energy for activity, and sex is an activity. We have, by the magnetic stimulations of the life-support system in mice and small rodents, extended their lives by 50 percent or more. But isolation or controlled sex is a must: isolation of the mice/rodents one from the other for periods of time acts to limit the wasting of the energies by sex.

In all other published books, papers, on the extension of life, all experiments by all other researchers have used both poles of the magnet on the entire creature's body. I have used only the south pole of a magnet to obtain south-pole effects. These are added strength. *Extending life then is possible.*

22.

Biomagnetics and Senility, Alcoholism, and Drug Abuse

It is my firm belief that, with the proper use of biomagnetics, help may be offered to the above complaints or conditions. As I have pointed out in my books, none of our research animals are hurt in any way. Still, we learn more by observing the effects of applied magnetic fields on the animals than by any other research approach.

Senility

Magnetically treated water has shown us that, when properly used and in the right amounts each day *Senility,* which is suffered by older animals and persons, male and female, can be reduced where the subject has again the desire to live. What we have termed as north-pole water is the type of treated water that we have found aids in restoring the metal activity of animals. Senility is the slowing down of the system—poor circulation of blood to the brain. One lacks interest in one's surroundings and becomes very tired of the same life pattern day after day. After years of living in this manner, the person or animal looses all desire to live, to take any interest in the many simple things that once were looked forward to, that made up the greater part of his or her waking hours. Our research has shown that only one-third of the animal's normal intake of water

each day should be north-pole water, as too much north-pole water will weaken large and small animals. Care should be given as to administering the proper amounts of water to the research animal. With large animals, two eight-ounce glasses of north-pole water a day have resulted in a slow improvement in awareness. Excess use of this magnetically treated water, however, has resulted in notable weigh losses, so, in this research, use of magnetically treated water (north-pole water) is watched carefully. Further, since Sundays are a day of rest, I suggest that on Sundays no magnetically treated water be given the animal—just plain water. This is to allow the system to adjust to the six days of administered-water effects.

We receive a number of letters asking if distilled water can be treated with the north pole as well as plain, tap, drinking water. The answer is that it appears that when distilled water is treated, the water takes on, to a higher degree, north-pole powers.

Since large and small animals react differently—no two animals or persons are exactly the same—it then is necessary to watch carefully the effects if distilled water is treated and administered. I have personally researched with this water on myself and noted this difference at once.

Never administer south-pole water to any animal or creature. In researching magnetically treated water, I have found that south-pole treated water acts to adversely affect animals. I noted them to have become angry, upset. Their tempers rise. So, its effect (the south pole's) appears to be one of providing too much stimulation to the brain. *However,* south-pole treated water (magnetically treated), when applied to the roots *only* of plants, results in an improvement in the growth and development of their stems, leaves, and flowers. This also is seen with edible vegetables and fruits.

Alcoholism

As our research continued into the effects of the two separate poles of a magnet, I found that when the north pole of a magnet was applied to a glass of *alcohol,* and the alcohol was taken internally, that the alcohol did not react to affect the system as does untreated

alcohol. In laboratory tests, we found that after treating alcohol with the north pole of a magnet for fifteen minutes and then running laboratory tests on it, it had changed. The surface tension, hardness, had increased, and when taken into a biological system, it did not appear to get into the blood stream as quickly and further did not have the effect of reducing the levels of sugar in the system as quickly. In other words, it would then require a greater amount of any alcohol intake to cause a condition of giddiness or to have the subject become drunk. An ideal research method to reduce alcohol consumption would be to place a north-pole magnet up under the bottle used by the alcoholic. This then affects the supply. Here again we researched the use of north-pole water. As in the cases of *senility*, I was to find that when north-pole water was given to an alcoholic cat, or other large animal, the desire for alcohol decreased slowly. Amounts were the same as we described administered during our senility research. May I note here we do not feed our animals alcohol. In the case of researching alcohol controls by biomagnetics, we did use certain animals in our attempt to watch the effects of our methods of controlling alcohol desires. They, the animals, were then returned to their normally happy lives.

Alcoholics, when they have drunk too much and they stagger and their speech is affected, should not be laughed at, as they are sick—very sick and ill people.

In laboratory tests here, we have found that when a person is drunk they are much the same as a diabetic, as this condition reflects, as to in drinking in excess, a lowered blood sugar and reduced amount of oxygen in the brain. Alcoholics are indeed very sick people. I am sure that if an alcoholic was told or knew what was happening when he drank in excess, it might help him to think before drinking. In researching the effects of alcohol on living systems, and this includes man, if a half a glass of pure honey mixed with an equal amount of warm water, and stirred well, is given orally to the subject within thirty to forty-five minutes of drinking, much of his drunkenness leaves him. This is due to the fact that honey is a form of predigested sugar, and can get into the blood stream faster and act to replace much of the blood sugars. *Warning:* The person must not be a diabetic.

While I cannot and would not state that north-pole water will relieve a person's craving for alcohol, I have seen it assist greatly in reducing the desire. There are many reasons why a person turns to alcohol: to relieve tensions, emotional conditions; because he may be weak and cannot face the life he lives or the conditions in his life-style. Some persons simply use it to hide behind, as a crutch which they believe will help them face up to life. We do know that our research with north-pole magnetically treated water has presented possibilities toward alleviating such causes, and this advice is offered only for experimentation.

Drug Abuse

Again we find that north-pole magnetically treated water has aided in controlling the use of minor drugs—as an example *marijuana*.

In all my research efforts I have always made it a policy to start at the beginning, to investigate the fundamentals, the primary facts. This is what I undertook to do in attempting to find an answer to assisting those who are using minor drugs such as marijuana. Smoking the "weed," as the present generation is doing today, I found it possible to question many users over the past several years. They define the effects of smoking this drug as a feeling of release—freedom—a removal of strain, and an increase in the desire to eat. Living in a false world where most worry, concerns have been removed.

To assist then in finding an answer which would remove this desire for this type of minor drug, I turned to north-pole magnetically treated water. This water, taken as I have described—and this is offered only for research—acts to encourage thinking—the ability of the mind to get the job done and not seek a crutch or to hide behind a false sense of security.

It is for this reason—how marijuana affects the user—that many doctors and other professional medical researchers have recommended this minor drug for persons suffering from many types of cancer—to relieve tensions and fears caused by cancer treatments.

Hard Drugs

When a person starts using hard drugs it is generally a step up the ladder from the use of minor drugs. The present method of treatment to reduce, then stop, the use of hard drugs is to administer other drugs which allow the tapering off of the use of hard drugs, without the suffering that the person has had to face in the past, when the treatment was a sharp reduction in their intake of hard drugs, until they again do not depend on drugs. We have known now for some time that the scientists in the U.S.S.R. have been using magnetically treated water in hospitals and medical research and, from reports received here, are finding this treated water to be a valuable tool in the field of medical and associated research. They use both poles of a magnet to treat their research water. We have have found that each pole of a magnet affects water in a different way, as we have discussed in this research book. I have further found magnetically treated water to have a psychological and also a physiological effect on animals and I am sure on man as well.

Reviewing Senility

In my closing remarks on this subject I would like to point out here that senility is similar in the nature of its effects to minor drugs and alcohol. This is in respect to the reaction, one of slowing down all the normal thinking processes, interests, and awareness. In each case, the mind and thinking processes are affected. Each is a separate condition, yet the end results are reflected in the brain, therefore the mind. It is my hope that soon medical researchers and doctors will take a serious look at the potential uses of *north pole water*.

23.

Biomagnetics to Combat Disease and Illness

Arthritis

Animals, as they grow old suffer this complaint as do many persons. While there are not as many types of arthritis as there are cancers, there are many types. Some types of arthritis are caused by the development and growth of small hairlike fibers of calcium that develop and form across the joints of the fingers, arms, legs, and many other parts of the body proper. During the research conducted toward arresting this calcium development, we soon discovered that slow dissolving of this calcium was noted when the north pole of the N-1 type biomagnet was used on limbs of the animal for thirty to forty minutes twice a day. This was proved by actual X rays taken before and after a series of exposures to the north pole's magnetic energy. Many cases responded well.

We failed to mention before that the N-1 type biomagnet has two flat surfaces each six inches long and two inches wide. One of the flat surfaces is on all-north-pole and the other is on all-south-pole field. This allows to a great extent the use of all of the north or south pole of a magnet against an animal's body. For the ease of identification of these two poles sides, we marked one side of the N-1 biomagnet with dots of red paint or fingernail polish. The north-pole side we left unmarked.

Time and results depend on the advancement of the condition of calcium buildup on or around the joints. If total fusing of the joints has been allowed to take place, then little or nothing can be done to dissolve this fixed and fused joint to a point where it again can be flexible. This is so with our present knowledge.

In the neural types of arthritis, inflamed joints, and associated disorders great improvements have been noted, as a side effect of the north-pole energy is to remove pain and reduce inflamed joints of the animal's body. Time needed is the same as in the research to dissolve arthritis as given above. The magnet needed is the N-1 type. Noticeable improvements depend on the gravity of the research animal's condition. Many cases recovered from inflamed muscles and pain in the short time of a week to several weeks.

Placement of the Biomagnet on the Research Subject

In the above research reports as to cases of arthritis and the neural types, the north-pole surface of the biomagnet was placed directly in contact with the skin over that affected member or part or segment to be researched, to arrest the condition. This applies to all applications of the N-1 biomagnet in all research reports made on cases in this paper. This also applies to the research use of either the north-pole side or the south-pole side of the N-1 biomagnet.

Pain

Outstanding control of pain, as such, was first noted in the research toward the arrest of infection and inflamed gums. The action of exposing one's self to the north pole of the biomagnet for thirty minutes twice a day has been noted, in several applications, to reduce, arrest, or remove pain from many disorders. Pain, as such, we have found, is caused by either nerve pressures, inflamed tissue muscles or organs, fractures, or damage to an affected member or segment of the animal's body.

Teeth and Gums

Decaying teeth, infected gums, infected roots of teeth, swellings, pus deposits, pus sacks under teeth, soft gums, and loose teeth in gums have all responded positively to the application of the north pole of the biomagnet thirty or forty minutes twice a day—morning and evening hours. After feeding the animal is the best time, as then it is less restless and more at ease in holding it, and one is better able to bandage the biomagnet to the animal's affected member part, tooth location, and so forth. Time needed for visible results again depends on the case in question. Generally pain is reduced in three to four applications, and swellings in two days of above research applications. Loose teeth should show a marked improvement in several weeks, again depending on the case in question.

Bones and Joints: The South-Pole Effects

Many animals suffer stiffness or weakness in their extended members: legs, forelegs (similar to arms), legs' shoulders (similar to hips). While there are many reasons why this may happen, in most cases we find that it's caused by muscle weakness. Here we find the importance of the south pole of the biomagnet. As we recall, our research has shown that the south pole encourages strength and life itself in all living systems.

As one example, many animals as they grow older lose the strength to stand or even walk short distances. The application of the south pole of the biomagnet to the leg muscles for thirty minutes, during morning and evening hours and over a period of days to weeks again depending on that animal's condition has resulted marked upgrading of strength and movement. Encouraging the animal to walk and move about is of the utmost importance, as this aids in developing the muscles again.

Bleeding and/or Hemorrhaging

Many female animals suffer excessive bleeding and/or hemor-

rhaging during periods, or before or after giving birth to their young, or as a result of the weakness of certain of the female organs. The application of the north-pole side of the biomagnet to the seat of the animal has shown effective relief in arresting the bleeding, and this may apply to excessive fluid drainage from the rectum or female openings of the animal in question. Having the animal sit on the north pole of the biomagnet for thirty to forty minutes twice a day, morning and evening hours, has proven effective in arresting many of these conditions in days or weeks, again depending on the condition of the complaint.

Wound bleeding, cuts, and bruises that fail to normally stop bleeding due to weak tissues have shown remarkable improvement, and there has been relief from many types of conditions that may cause bleeding. In regard to wounds and bleeding, we would like to add here that during the latter part of World War II the Russian medical scientists used biomagnetics to speed healing and aid the control of bleeding. This is a matter of record. As we pointed out earlier, many nations of the world are and have been investigating and researching biomagnetics as a valuable new science, not only in the field of medical research but also applying it to the sciences of chemistry, protein advancement, and wound healing, and to new weapon systems in such fields as physics, electronics, and biochemistry.

Infection Caused by Bacteria

This is one of the most important research findings and one that should be considered and kept in mind during all research applications of the biomagnet. In any case where we find infection, pus, discharge, of any form of infection, the south pole of the magnet should *never be used!*

We should *always* keep foremost in mind that the south pole of the biomagnet encourages life, *All life forms,* and these include invading bacteria, germs, and cultures. They too can be encouraged. Thus the infection can be made far worse than it normally may be found to exist if *the south pole is used.*

If the research of biomagnetics is to be applied to infection

control or arrest, only the *north* pole of the biomagnet should be used. The NORTH pole of the biomagnet arrests, slows, and controls many forms of invading life forms, diseases, swellings, and pain. The fact to remember is that the south pole's life giving effects cannot tell the difference between invading life forms and normal tissue. Therefore, you must always investigate this before using the south pole's life-giving and support energies on a research subject or condition.

Prostate and the Male Animal

The male animal, like the human male, suffers from the complaints or inactivity of his prostate gland. Sex is the drive that gives all animal forms the desire to live to get things done. When trouble strikes this gland, the sex life is reduced and the animal's life is affected. The production of fluids by the prostate gland can be increased by having the animal sit on the south pole of the magnet for thirty minutes once each night after it has gone to its bed. In more difficult research cases it may be done twice a day, morning and evening hours. In this research, improvements should be noticed at once, or in a few days at most, unless the condition is very advanced. Then, more time will be needed. But, under normal conditions, results have been recorded in a matter of days. Watch the animal. Seeing a marked improvement in terms of interest in things, life, playing, or working with new interests in its pattern of behavior indicates that the research exposures are working. Research then can be slowed or ended, and the animal watched for any "decline." If a decline occurs—a lack of interest or normal behavior is noted—then return to the research treatment as described. Each case being different in nature, it will take study to see when and if the animal then returns to normal. When this happens, then the research exposure to a biomagnet's south pole can be discontinued. Excessive use may lead to an increased desire for sex.

When the male animal is seated on the south pole of the bio-

magnet the testicles will also receive amounts of this stimulating magnetic energy, and this may cause a rise in its desire for sex; this should be noted also. The amount of fluids produced by the prostate have been laboratory measured against untreated animals, and after several days of exposure the amount of the prostatic fluid is increased by a good percentage.

Female Reproduction Organs

In practical and actual research it has been our findings that both the male and the female animal can develop many weaknesses that limit or stop altogether the normal desire for sex. In the female this can cause a withdrawal from life as they know and understand it. They become unhappy, tired, and retiring; nerves act to, at times, make them angry. The kindness and normal behavior of the female's life is greatly affected. The same application of the biomagnet to the seat of the female then acts in a like manner to strengthen the sex and reproductive organs, uplift the nerve responses, and give back, totally or in part, that condition that is needed to have the female system stay on a normal behavior pattern. We have found that the seating of the female on the south-pole side of the biomagnet for thirty minutes before going to bed each night acts to encourage strength and aid in a return to a normal behavior pattern.

Female Bleeding and Excessive Fluid Drainage—the North Pole

In this phase of our research we have found that the control effects of the north pole of the magnet acts to reduce bleeding and excessive fluid drainage. The act of sitting on the north pole of the biomagnet for thirty minutes in bed, or in advanced cases applying it to the seat for thirty minutes morning and evening hours, acts in a short time to arrest this excessive bleeding or limited bleeding and/or fluids that drain or come from the female openings.

Females Unable to Give Birth

If this is caused by weakness and miscarriage continues, the female pets, animals, may be seated on the south pole of the biomagnet for thirty minutes twice a day, morning and evening hours. This then acts to strengthen the muscles and tissues to enable the female to carry the fetus. As soon as the young is seen to be developing well, this research can be discontinued, as continued use of the south pole to the seat would then, as we have found in a number of research cases, produce larger babies, or baby. This then would or could cause difficulty in *delivery* due to its size or development.

Kidney Research: Infection and Kidney Stones

An animal like man can and does at times develop diseased or poorly operating kidneys. Pain and swelling of the lower right or left back surface indicates this in a number of cases, as does very dark urine containing pus. There is even the possibility of the forming and development of kidney stones. However, due to the chemical compositions of most animals, this does not happen often. Man experiences this more than any of nature's animals. In man or woman, this is caused in most cases by the high calciums and other foreign matters in drinking water.

In researching the control of the pain of the affected kidney or kidneys as well as inflamed conditions or minor infections, biomagnets were used. The results have been both outstanding and rewarding. The approach is to place the north pole of the biomagnet directly against the kidney location for forty minutes to an hour, once or twice a day. Morning and evening hours are best. In a very short time, pain, swelling, and pus discharge will have been reduced. Also, there will be a clearer urine color. This is in general research cases: more time or less time may be needed depending on the case or cases in question.

It is of great interest to note that a number of so-called inoperative kidneys, dead, in part, kidneys, have been restored to a

limited amount of production again, after the application of the north-pole magnetic fields. We strongly feel that this research discovery may lead someday to the use of biomagnetics to aid in the control or arrest of complaints now most difficult to cope with by the medical profession. This should prove an important step forward in kidney research.

Pancreas Research: Diabetics, Sugar, and Insulin

The accepted theories today are in accord that the condition of a sugar diabetic is one in which the production of sugar-burning insulin fails to be in the amounts needed to burn, use, and consume the sugars produced by the intake of food or, naturally, by the animal's body. The pancreas then, according to accepted principal theories, develops a weakness where it is unable to produce insulin in sufficient amounts to use the sugars previously produced. In the application of biomagnets to a limited number of cases, it was found that applying the south pole of the biomagnet to the general area of the pancreas for thirty minutes during morning and evening hours, appeared to have either raised the amount of insulin produced by the pancreas or strengthened it to a point where less-positive blood sugars were noted when samples were taken and tested for sugars in the urine. Here again we note that the effect of the south pole of the applied biomagnet is one that affords strength to an organ, a part, or a segment of the living system. In the research of overproductive pancreas activities, the north pole has arrested a number—a limited number—of research cases.

Liver Research and Biomagnetics

In liver research, it is all but impossible to note advanced cases of liver ailments in animals, except by the yellowish color of the eyes and yellow to pale green coloring of the facial skin, where normal pink coloring should be noted. However, when this condition has been found to exist, and biomagnetic research has been

applied, a very good number of recoveries have been noted. If we are to accept this type of research as correct, then if there is a failure of the liver by infection or a disease, then from all past research results, the north pole, the arresting pole, should be applied to the general location of the liver for thirty to forty-five minutes, three times a day. We have found that twice a day may prove to be effective in some simple to not-too-far-advanced cases. As soon as tests show recovery, or coloring is noted as returning back to normal, or eyes appear to be clearing, the time should be reduced to thirty minutes, morning and evening. When all signs or tests indicate the liver is working normally, then discontinue the research applications. We may find that there is only a part of the dying or diseased liver left intact, but if there is enough of this organ left to do the job, we consider this to be an effective arrest and accept it as another successful project undertaking.

The Eyes: Cataracts and Glaucoma

The eyes of animals are almost the exact same as man's suffer the most. Cataracts can develop on an animal's eyes as they do on man's eyes. The use of the north pole to the affected eye, or eyes, for twelve minutes a day, morning and evening hours, has shown that a number of types of cataracts can be arrested and contained. In a number of research cases, the cataract appeared to leave the eyes, with no side affects noted. If this was a dissolving of this foreign growth cataract, then this research result indicates the continuance of the effects of the north pole of the biomagnet to arrest and assist in the removal of foreign matter and deposits from the segments of the living system. Sixty percent of the cases researched have shown improvements, and 20 percent, total recovery.

Glaucoma

This is the hardening of the eye or eyes. It is caused by internal pressure within the eyes initiated by trapped fluids. One or more of the passages that provide passage of the circulating fluids into and

out of the eye, or eyes, may have closed. This is due to a buildup of foreign materials on the inner walls of the passages, or one vessel, of the passage system, due to the presence of swelling or of foreign material in one or both of the fluid passages to the eyes. Since 90 percent of the eye is composed of sodium chloride salt, the hardening can and does cause great pain and suffering. While we have again a number of types of glaucoma, we will give the results of those types we have been able to research. By applying the north-pole field to the outer edges of each eye that is to be researched with biomagnetics, for 15 minutes, twice a day, we have noted there is a reduction of the pain and pressure expressed as "the hardness of the eye." We strongly feel that this indicator may well show us still additional uses for control effects as presented by the north pole of the biomagnet.

The Lungs: Colds and Congestion

The common cold has been the mystery of the ages. Animals suffer from colds as do all mankind. The end results are inflamed passages that limit breathing or present a flow of fluids from the nose, inflamed inner air passages of the nose and lungs, throat soreness, and even fever. Our research in this field was undertaken only when we saw animals' sufferings and compared theirs with man's colds.

We then placed the north pole to the region of the nose, then the throat, then the lungs, for seven to eight minutes at each location. The flat surface of the north pole of the biomagnet was directly against those areas, and did, in many cases, aid and arrest the discomfort of the cold, as here we do have a form of bacteria. In cases of congestion, use only the south pole.

The Lungs

The lungs may suffer many types of ailments, diseases, and complaints, so no one use or method of application of biomagnetic energy may result in any form of relief; it is necessary to know

beforehand what is the nature of the complaint. If the lungs are congested, with *no* infection present, then application of the *south* pole of the biomagnet directly to the lungs will act to expand, open, and relieve the congestion and breathing. What the south pole's energy does is hereby noted. It is the strength-giving or affecting pole. The north pole is the reducing or arresting pole.

Infection and Congestion

An infection is a condition where there is bacteria, germs, pus, and inflamed and running sores. Internal infection may be found where there is a serious disease. Congestion is the blockage or narrowing of a passageway; a vessel may be closed or near closed, and lungs may be filled with foreign materials, thereby causing a state of congestion. But no infection may be present. A swelling that affects the passages and prevents an expelling of air may be called congestion.

When the condition of infection is found, and research is desired to be undertaken with biomagnetics, the *north pole* is the arresting pole. The north pole *does not kill the infection or bacteria,* yet it does act to arrest the further development of the infection *in many cases,* depending on the nature of the infection. When we use the word "arrest" or "arresting," we mean that the further developments of the infection are controlled. When any form of infection is arrested, the body's own chemical system then can take over and effect a slow state of recovery, as *no* form of treatment of any kind can repair the damage from such forms of biological damage to the body. The body itself must do the healing and make its own repairs.

Lungs (Emphysema), Enlarged Organs, and Fatty Congestions

In conditions of the lungs as emphysema, the lungs are closed to certain degrees and air cannot be taken in and used, as in the case of normal lungs. There is then a state of congestion. Here there is a need to reopen the lung structures, so the use of the *south pole*

has been found to act to expand tissues, to strengthen—has been found to be useful in this form of research. Use the south pole of the biomagnet. Twenty-five minutes twice a day.

Emphysema can be caused by a number of conditions, and there are various types of this complaint also. What could be classified as emphysema may be enlarged organs within the body or a large amount of fatty tissue. Enlarged organs act to press against the lungs, or lung, and reduce the lung's or lungs' ability to accept the normal amount of needed air limited breathing.

Bronchitis

Generally this is an acute infection of the air passages starting at the nose and moving into the lungs. This is an *infection*, therefore we must remember that the north pole is the arrester and the south pole is the strength-giving or affecting pole. In this case of research, we then would use the north pole. Placing the north pole of the biomagnet against the nose, then throat, and then lungs, for eight minutes at each location, has shown a marked arrest of this condition. Time for noticeable improvements depends on the health and strength of the subject and the effective degree that the complaint has been allowed to develop.

The Heart

In researching the effects of biomagnetism to the heart, we are again faced with many complaints, and it must be known what the complaint of the heart is before undertaking any form of research treatment application. This is for the protection of the animal.

Animals, like man, develop weak hearts. The muscles of the heart simply weaken and this may cause murmurs or a reduction in the speed of the pulse rate. Man is known to have this complaint. Applying the *the south pole* of the biomagnet over the heart for ten minutes, twice a day, morning and evening hours, has resulted in a marked improvement in the strength of the beat of the heart. This

same research has also strengthened weakened valves and the heart's muscles.

High Blood Pressure

Again we have a number of causes why the animal has high blood pressure, for, like man, animals can develop this condition. There are many reasons why this condition develops. Eating too fatty food acts to cause the build up of fatty masses in the (and on the) inner walls of the veins and arteries, thus limiting blood flow and increasing blood pressure. Whether nerves, congestion of arteries, or fat, many causes do exist. The main reason we believe is the fatty buildup of the inner walls of the arteries. We have had good reason to give this type of research a great deal of attention, as the author, Albert Roy Davis, has had to fight high blood pressure for many years. After considerable time, we found that placing the north pole of a biomagnet under the right ear, and down the artery that we find there, had in my own research, acted to reduce the buildup of the material and, on continued research application, my blood pressure.

We have tried this on animals having a similar complaint and found reductions in blood pressure as a result. It should, however, be remembered that not all high blood pressure is caused by this one complaint, but we have found that it is the leader in most high-blood-pressure cases we have seen.

The biomagnet we have used in our own research is six inches long by two inches wide by one-half inch thick and is known as the N-1 type biomagnet. Using the north-pole length of the six inches, and placing one end under the right ear, against the artery that extends down the throat at that point, for thirty minutes, twice a day, morning and evening hours, gave the data that has been reported in this research report above. On animals, we would use the width of the biomagnet against the artery due to the limited space and size of the animal.

Research shows that swelling of these glands located on either side of the front of the neck can be arrested by applying the north pole of the biomagnet against both, one at a time, for 15 minutes to each, once a day. In advanced cases, research by applying during morning and evening hours, same time, pole, and location as given above. The thyroid glands are subject to many kinds of disorders, so investigations should be made to make sure the cause of swelling is known and to see, then, the full and extensive use of the north pole of the biomagnet in cases of inflamed swellings.

The Parathyroid Glands: The Control of Calciums

Research shows that *swellings* of these four small glands can be reduced and arrested by biomagnetic energy exposures. Research is the same as described for the thyroid glands. Place the north pole of the biomagnet against the sides of the neck for the same amount of time as described previously. The parathyroid glands act to control an even amount of calcium in the blood. We have found that when calciums do not or are not properly controlled, arthritis can be noted as a result. With no infection present in the thyroids, or the parathyroids, the south pole of the biomagnet can be applied to the sides of the neck for fifteen minutes each day. This we have found, by direct research, can stimulate the calciums and improve them in the blood. *The north pole reduces* the calciums or levels the production of calciums in joints and fingers. This, in many cases, causes many types of arthritis, though this does not apply to all cases. A limited number have, however, shown positive results. These small glands also act to control the amounts of calcium in the blood.

So then, it would appear that should we apply the south pole of the biomagnet to these glands, we could affect a rise in the calciums in the blood. When this may be needed it is worthy research. Yet it goes without saying; never apply the south pole to

any location on a living system where there is swelling, an inflamed condition, or infection. *The north pole reduces*, while the *south pole increases*.

Tumors

Tumors may form on any gland and of course, develop into cancer. Research with biomagnetics has shown that tumors can be arrested and dissolved by the application of the north pole of the biomagnet if it is applied for thirty to forty-five minutes, directly to the condition, twice a day. Time for results depend on that case in question and the development of and, of course, the type and kind of tumor. There is potential here for very interesting and rewarding, continued research.

Cancer and Cancer Tumors

The research we have conducted on cancers and cancer tumors covers many years, and many rewarding discoveries have resulted—most all by the study and application of biomagnetic fields. During these years of research we have had visitors from many nations of the world. Doctors and scientists in many fields of research have been interested in our research and findings. The Russians are and have been investigating magnetic effects on living systems also, and we spoke of this in the section of this research report dealing with bleeding control, pain and wound arrest, and healing.

The Russian scientists have also been investigating the research of cancer arrest and control by magnetic energy—biomagnetics—as is Japan, Germany, and England. Some research has been done by certain men and women scientists here in certain colleges and universities and in a few, limited laboratories. The great difficulty we have had technically is to convince all researchers of our discovery that the two poles of a magnet are not the same and are not homogeneous the same in nature of their electronic potential or the effects to the living system. Russia, at this time, follows the same

incorrect theories that are used in this country and in most countries of the world today. All books written about the magnet's use in the field of biological research state that there is no difference between the north or south poles of the magnet.

We feel that we may be the first scientists to introduce biomagnetic living system research and to show the effects of each pole of the magnet. This we introduced to doctors and scientists in many parts of India and later, in South America and other nations, including the United States.

We would like to at this time disclose that Russian scientists will soon, very soon, announce a cancer detection system which uses a super type of biomagnet that applies high powered and concentrated fields directly to the human system. But, we again believe that when this announcement is made, and it may be made before this paper is completed, this date being January 1, 1973, that they will not yet have discovered the great effects and differences between the biomagnet's two poles, and their potential use. We have added the current date as a matter of record.

What Is a Cancer?

The common cancer is the result of a single cell breaking down and decomposing. Discussing this in a nontechnical manner, allow us to say that when we view a red blood cell, we see, through a very high-powered electron microscope, a doughnut-shaped round cell that has a recess in its center, again like a doughnut. A cancer causes the outer walls of the cell to break down. These outer walls are called the membrane. Fluid flows from the cell that under normal conditions would be retained within the cell itself. The membrane or covering of the cell's fluids is much the same as a filter, it allows through it certain fluids of the body and prevents others from entering the cell. When this selectivity lessens in one cell alone, there is the start of a condition of cancer, as this one cell then can transmit this electrolyte—this unbalanced electrolyte fluid—to the walls of other cells. This acts to transfer actively to the next, and so on, at random. Its fluids also are released, and when the

selectivity of the membrane is made inselective, then the cell allows into it and out of it chemicals that act to destroy its electrical balances. This then acts to cause the cell to decompose and rot away. This simple term, "rot," we feel well explains a cancer, as those of us who have seen a skin cancer have noted the odor and a fluid-filled, pussy discharge hole in the skin.

While skin cancer can be considered to be the least dangerous of all cancers, it offers for the layman a chance to see with his or her eyes the actual result of the condition first hand.

Research Report on the Ears

Animals suffer the same complaints as to infections, weak audio nerves, and poor hearing as does man. This research has proven to be very rewarding and the outcome of many research cases has shown *that when the north pole of* a biomagnet is placed against the ear for thirty minutes, twice a day, that swellings of the outer ear, possibly caused by infection, can be reduced in a matter of weeks, or less time, depending on the nature and type of the complaint. Swelling of the flesh around the ear may be the result of a mild infection of the innermost parts of the ear, yet not the inner ear. *The Ear's Diaphragm,* that part that acts to transmit sound waves and air pressures into vibrations that are then picked up by the inner ear's audio nerves, then may harden. Research has proven that the application of the south pole for this complaint is valuable in aiding the diaphragm to again, or in part, become flexible. The hearing then is improved. Remember, the north pole is used for infections.

Ear Drainage

Many types of ear troubles result in infection of the inner ear. The effects are evidenced by the ear-draining fluids which have an odor. This is one of the most difficult of all ear complaints to arrest. The north pole, as in the case of any biomagnetic application to any

form of infection, is then used. Thirty-minute applications, during morning and evening hours, has proven best for this research. Treatment should last about four to eight weeks, depending on the case and the degree of infection.

Earaches

This, in common cases, is due to a cold—a cold of the ear. This, then, may be considered to be a mild form of infection. Application of the north pole, again, for twenty to twenty-five minutes, twice a day, will or should act to relieve this in a very short time—a day or two.

Throat

A sore throat is, again, a mild form of infection. Application of the north pole, again, directly to the front of the throat for twenty minutes twice a day, can, in a very short time period, one to two days, depending on the case, act to relieve this. For weak throats, where no colds or infections are present, use the south pole against the throat for fifteen to twenty minutes twice a day, for a few days at most. If improvements are noted, continue on with this form of applied research until best results are obtained.

Sprains: The Back, Hips, Legs, and Feet

A sprained back, hip muscles, leg muscles, and ankle all have responded to the application of the north pole of the biomagnet, as the north pole acts to reduce, contact, and aid in reducing pain. This, then, assists the recovery of the sprained condition. The north pole will also aid in firming up weak muscles, and then the application of the *south pole* will act to strengthen the muscles. Apply the north pole for twenty to thirty minutes a day to firm up muscles, then, after noticeable firming, apply the south pole until the muscles

are stronger. Time needed for application is the same as given above.

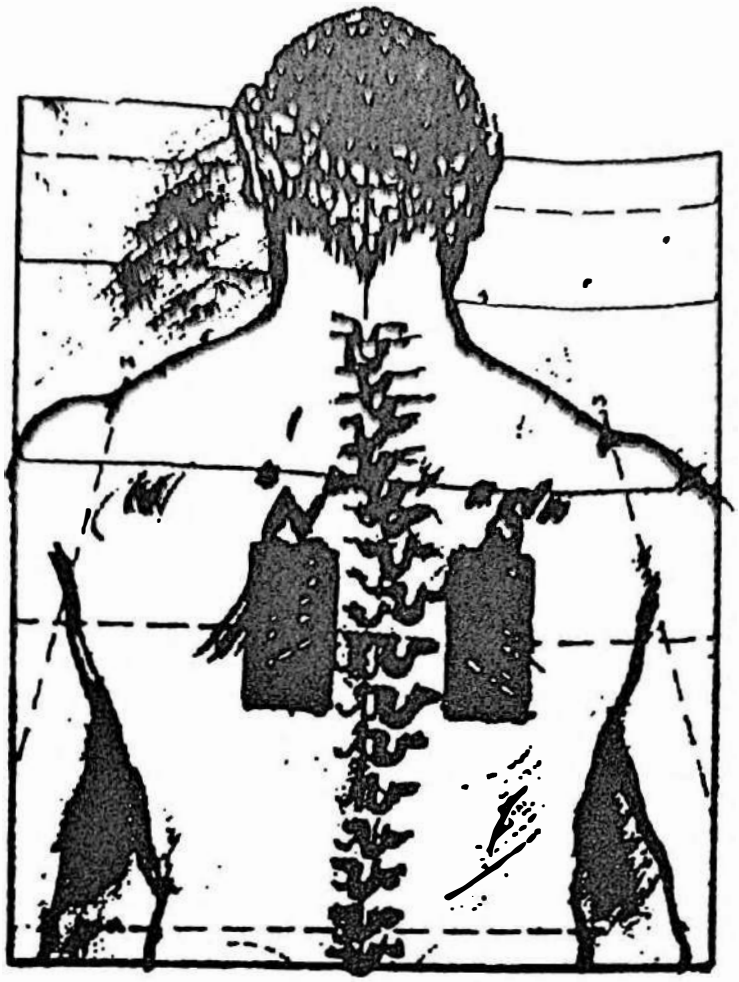
Vertebrae

For continued slipping of vertebrae out of their positive locations in the spine, application of the north pole will aid in reducing the overplay and maintaining correct position. The north pole acts to contract muscles; then the south pole acts to strengthen the muscles. Application time should be thirty minutes daily. Apply the north pole first, then, after suitable contraction has been made, apply the south pole.

The Spine: Spinal Curves

One of the more difficult corrections to make is that of the spine when muscles have been sprained, pulled, or are weak. As a result, the spine takes on a curve—a pull to one side or an other.

Where this curve or pull takes on a muscle-pull effect, corrections cannot be made by any form of adjustments, as the muscles are semifixed and retain a pull that then makes a correction all but impossible. By placing two biomagnets, one on either side of the curve or pull strain the south pole biomagnet placed where the curve is the greatest and the north pole placed in a position that contrasts its effects; the north pole's tightening effects then act to assist the muscles to pull in the proper direction while, at the same time, the south pole's expanding effects serve to release the tightened muscles on the curve-constricted side. Thus we see that while the north pole pulls, the south pole expands, and a good deal of positive correction then is possible; correction that will remain improved if this type of research is continued. Application time is thirty to forty minutes twice a day, morning and evening hours, or one hour once a day. In animal research, where animals have received a blow by a car, and this condition was then formed or developed, this type of research has proven to be very effective and in many cases the spine has been straightened.



The Human Spine—One Continuous Column That Supports the Entire Body

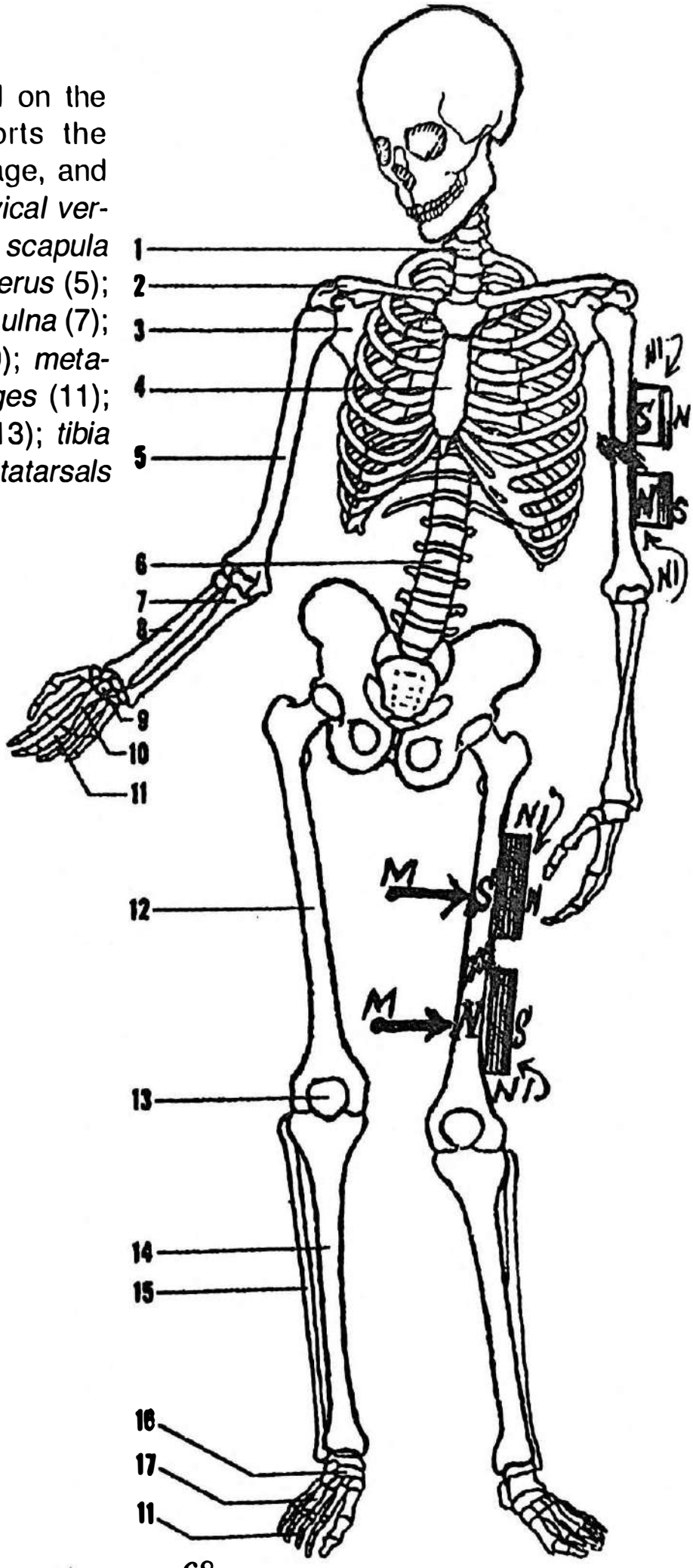
Bones and Joints: Broken Bones and Fractures

Research is now being undertaken in the United States and in other countries to aid bone regrowth, aid healing weak bones, joints, and fractures. Inserted needles connected to a power supply similar to a flashlight battery then acts to pass current—a very small amount of voltage—across the broken-bone fracture. This has resulted in improved healing of the break or fracture. Biomagnetics has shown a better effect, as no needles or batteries are needed. Placing the south pole of a biomagnet above the break and the north pole of still another biomagnet below the break has resulted in a number of stronger healing results. Application time is thirty minutes to one hour once a day, or twice a day.

Pain can be reduced or totally arrested by the application of

The Spine

The spine, supported on the pelvic girdle, supports the shoulder girdle, rib cage, and skull. Bones are: *cervical vertebrae* (1); *clavicle* (2); *scapula* (3); *sternum* (4); *humerus* (5); *lumbar vertebrae* (6); *ulna* (7); *radius* (8); *carpals* (9); *metacarpals* (10); *phalanges* (11); *femur* (12); *patella* (13); *tibia* (14); *fibula* (15); *metatarsals* (16); *tarsals* (17).



the north pole of the biomagnet to fractures, sprains, and breaks, during healing or directly after break or sprains. Application time is thirty minutes to one hour once or twice a day. Place the south pole above and the north pole below for best results.

The scientific principle of this effect is based on our findings that the south pole of a suitable magnet (the N-1 type) placed above the break or fracture, acts to soften and release calcium from the upper main, body-bone section.

Placing the north-pole surface of another similar magnet up to and against the lower, remote section of the break, acts to draw fluids and calcium to its positioned placement. Therefore, it acts to direct calcium to where it is needed, and speed up bone healing.

Shown in the illustration "M" and "M" are the two magnets. "S." represents the south-pole surface of one of the magnets. "N." is shown as the north-pole surface of the other magnet. Placed against the skin of the leg, or over the cast, they have acted to improve the regrowth of the bone across the fracture (fractures). (Albert Roy Davis, Ph.D., P.O. Box 655, Green Cove Springs, FL, 32043, The Albert Roy Davis Research Laboratory, End of Deel Road, USA)

Burns

For local or limited-area burns, apply the north pole directly to the burn area for thirty to forty-five minutes three times or twice a day. This will aid to limit or arrest pain from burns. The healing is best when and after pain has been arrested by continued use of the north pole. Then, after a scab has formed over the burn and there is *no infection,* apply the south pole for strength to aid the tissue form and flesh form over the burn or burns. For large-area burns, slowly apply the same outlined research above till the total area has been covered. Again, here, this research has shown to offer new and greater approaches to aid man and child alike. Women do react slightly slower to recovery. This also applies to the animals which we have worked with. Research has been outstanding and very rewarding here also.

Bladder

Comparing the difficulties of man to animal in regard to this organ, we find man suffers far more weakness of the bladder than does an animal—continued getting up during the night to pass urine. Where there is no infection or there is slight infection, as in the case of a weakened bladder, a sagging bladder, or a stretched bladder, the bladder will respond to the tightening and reducing effects of the north pole of the biomagnet. Application time is thirty minutes, twice a day, directly to the bladder approximately two inches below the navel.

Where the bladder has grown weak, yet not enlarged, and no infection is present, the south pole has shown remarkable improvements in regard to the strengthening of the bladder. This application is the same as the method described above in the use of the north pole of the biomagnet. I believe we show here the vital importance of understanding the biological effects of the two poles of the biomagnet. To discern which is the proper pole, use the diagnosing-with-a-magnet research method.

Poor Digestion and Stomach Gas

Our laboratory findings here may totally disagree, again, with the popular belief that, in general cases of poor digestion after eating a meal, result in too many acids formed in the stomach. It has been found here, that actually too few acids are present to properly digest the food; that, when antacid tablets are taken, they further reduce the low acid present in the stomach, causing the stomach glands to flood the stomach with dilute hydrochloric acid, which rapidly aids in the digestion of the foods. The application of the south pole of a suitable magnet, also acts to aid digestion.

Hair Coloring

Many researchers have asked, does the application of bio-

magnetics act to improve the coloring of the hair of animal or man? In this phase of research we have found that it does in a number of limited cases. This depends on the health of the animal or man; a run-down condition will not allow any improvements as to hair coloring, and I am sure this also would apply to man. The greatest strength-giving factor we have found is to place the seat of the animal on the south pole of the biomagnet for twenty to thirty minutes each night after it has gone to bed. This we have found acts to strengthen the animal's entire system in general. Some coloring of the hair, back to a more natural coloring, and improved texture has been noted.

Piles: Hemorrhoids

In general, this is caused by weakness of the blood vessels and arteries located at the near bottom to the bottom of the seat or opening for the bowels. The extending of weakened blood vessels, bleeding, and great pain and discomfort result. General weakness of the system causes this. To reduce pain and, again, reduce the swelling of the veins and arteries, place the animal's seat on the north pole of the biomagnet for thirty to forty-five minutes three times a day, or morning and evening hours. Following the reduction of pain and discomfort, apply the south pole for thirty to forty-five minutes twice a day, or even once a day. Night hours are best for this, as the animal is then resting.

Such treatment will act then to strengthen the weakened blood vessels, and recovery will show signs of taking place with the lifting up and back into the body of these weakened vessels. Some form of lubrication should be applied as well.

The reason why this complaint takes place must be attended to, or it will happen again and again. The animal is overplaying, not having the right nourishing foods, or having not enough rest. These then are the reasons for this complaint to take place—to happen in the first place—so corrections should be undertaken to see they do not happen again.

The Shoulders: Neuritis

This is a condition of inflammation of the nerves. Here we see, through research of this complaint at the point where it is evident, that use of the north pole of the biomagnet is needed. Applying the flat surface of the N-1 biomagnet, or similar magnets, directly to the painful area for thirty to forty-five minutes, morning and evening hours, will result in the reduction of the pain and inflamed condition. This, of course, depends on the condition and its advancements. This research use of the biomagnet again has shown to be of great value.

Neuralgia: Headaches

Again this condition is suffered more by man than animals. The reasons we have found for this condition are the lack of movements of the bowels, poor liver condition, overeating, poor digestion, overwork, nerve reactions to strain, worry, or fear. If the animal system has normal bowel movements, this in no way offers to remove the buildup of toxins that exist. As the animal system grows older, the poisons that normally build up in the system are not removed by what one might consider normal bowel movements. The liver plays an important part in the control of these poisons, as does the kidneys. The south pole of the biomagnet placed against the lower stomach has shown improvements in these research undertakings, as it acts to assist the removal of digested foods and upgrade the strength of the other basic organs. This takes time, and research using this must be followed for a good length of time, as what has taken place during many years or months cannot be overcome in the matter of a few days. The intake also of more vegetables, greens, and fruits is very helpful.

Ulcers

Ulcers are almost nonexistent in animals, yet there are cases

where they do develop. The use of the *north* pole of the biomagnet to the region of the ulcer has resulted in remarkable control and arrest, as the north-pole energies arrest and control energy.

Apply the north pole of the biomagnet directly to the stomach or to the region slightly below the navel or to where the navel would be on the human body for thirty to forty minutes twice a day, morning and evening hours. This has resulted in ulcer arrest and, in many research cases total arrest and resultant recovery. We have found also that giving the animal north-pole-treated water to drink has acted to assist in this recovery research. This also applies to treating milk with the north pole of the biomagnet. Treating milk by placing a bowl or glass of milk on a nonmetal table, then placing a long bar or cylinder magnet against the glass or bowl for fifteen to twenty minutes, has also given very remarkable results. Treating food has also proved to be an aid in ulcer recovery or arrestresearch.

In another part of this research report, we discuss treating water with the biomagnet's fields, and what has been noted as to the changes in water. Placing the water, milk, or food on the flat surface of the N-1 biomagnet will serve as well, when using the same time as is given above. Remember, use the *north pole only!* All research use of the N-1 and other magnets and the results we have obtained are from our actual research records.

It has been noted, however, that some animals, like human beings, cannot drink milk, as their systems, like man's in many cases, cannot digest the milk. It further has been noted that when the milk is treated as we describe above with the north pole of a magnet, the milk can be drunk and it will be digested better, if not totally. This is still another discovery that we feel will be of great value in our continued research.

24.

Proper Care of the Living System

No man, woman or animal can expect good health if their activities, or lack of activities, cause ailments or complaints. The animal's as man's, health is reflected in the care of its body. No man or animal can exist without a proper, sensible intake of nourishing foods. The foolish trends toward the intake of nonnourishing foods, because some man or woman has written a book on natural health for the animal or man, are now responsible for more sick, undernourished persons and animals than the many other reasons why man's health is affected. One such example: Many noted men and women, so-called natural-foods experts, have written books, appeared on television, and advised that if animals are fed only white bread they will soon die. While we are all aware that our white bread is made today by processed methods which act to remove a great deal of the natural food values, flour manufacturers today do add certain vitamins and nutrients artifical and real to the flour. In our laboratory tests, we found that white rats and mice placed on a thirty-day diet of white, commercial bread even though confined and having activity limited had no discernable health problems.

The same tests were made comparing the intake of sea salt to standard table salt, and no effects or recorded reactions showing any difference whatsoever were found. Tests analyzing the intake—diet—of nuts of all kinds were also made, and as a result we noted we had an upgrade in stomach troubles, some kidney

stones developed, and poor digestion. The direct study of the eating of nuts by squirrels was made and the total chewing of the nuts were noted. As in the case of nuts eaten by monkeys, they chew the nuts until they are of a creamlike consistency before swallowing. Neither man nor woman takes this much trouble, and the results are that nuts are not taken into the system that can be digested properly. The results are as we have described above. Man is not adjusted to accept, eat, or digest many foods that nature's animals can eat and properly digest.

While fruits and vegetables in sensible amounts are needed to maintain good natural health, the need of nourishing meats, cheeses, fish, and other forms of nourishing foods are also needed. So, non-sensible diets—experts' opinions—in many cases can cause poor health and complaints that should be avoided.

How to Identify a Magnet's Two Poles Correctly

There is today no magnet made that does not have and present the two poles—the north pole and the south pole. The importance of identifying the two poles and marking them for reference and use in biomagnetics is of the utmost importance.

When we describe the use of a pole in this report, we refer to the north pole of the magnet and *not* the north-seeking pole, as many books describe. The north-seeking pole of any magnet is in fact *the south pole* of that magnet.

To test a magnet to discern its correct poles, use a bar or long cylinder type of magnet. Tie a thread around the magnet's exact center and tie the other end of the thread to a high place—the top of a door frame. Allow the magnet to turn, and when it stops turning, the end of the magnet that is pointing to the north pole of the earth use a simple compass to tell this location is the *south pole of the magnet*. Mark that pole end with red paint or red fingernail polish. Once you have *one* magnet so marked and its poles identified, this magnet can be used to test any other magnet for its north or south poles. If we were to bring the south pole of a magnet up to another magnet's poles, the south pole of your marked magnet then, when

it came close or up against a pole of the unknown magnet, would if repelled, indicate that that was the south pole of the unmarked or unknown magnet being tested. The law of magnetism is the common law of nature: like forces repel and unlike forces attract. You, then, can test any magnet for its correct poles by using a known, marked, identified magnet to mark, test, and identify any unknown magnet's poles.

How the Strength Measurements of Magnets Are Made

As we have discussed earlier, a magnet's power—its strength, its energy—is measured in units. These units are called gauss. Where the volt is the measurement of voltage, the gauss is the unit of measurement of magnetism.

Standard available magnets are not sold as describing what their gauss strength is. They are sold only by the lifting power they have. For example, a horseshoe magnet is offered as having the lifting power, when placed against a piece of heavy metal, of two to twenty-five to fifty pounds, depending on the size and type or kind of magnet that is offered to the purchaser.

Your author has, during the past years of research, engineered many types of instruments for the measurement of a magnet's gauss power. One of these we now use is a hand-held magnetometer. The official title is Magnet-o-meter. About the size of a pocket watch, it requires no batteries, being self-powered. It can measure the gauss and also identify each pole. Should the researcher be interested in obtaining one of these, he or she may write directly to the author. The address is given on last page of this research report.

I will now offer a guide line as to the approximate gauss power of available commercial-sold magnets. A magnet advertised as having a lifting power of two pounds may have a gauss energy of from 500 to 600 gauss. A magnet having the lifting power of five pounds may be a 900 to 1200 gauss magnet, a magnet having the lifting power of twenty-five pounds may have a gauss energy of 2000 gauss, while one having a lift power of fifty pounds may have an approximate gauss energy of 3500 to 4500 gauss. There is no correct way to tell by such a poor rating of power.

In research, one should know the energy of the magnet used, and it should be made or designed to provide *only* that pole that is to be used in this form of research. *Many available magnets are incorrectly marked* as to which pole is south and which is north, so care must be used there also. Designed magnets that then can provide only the one needed pole of the two poles all magnets have, are of great importance for correct research and the effects that are desired from such biomagnetic research treatment.

The N-1 type biomagnet used in most all of the outlined research work that is described in this report is available from a number of sources. If you wish to undertake this research in a professional way or semiprofessional manner, you may write the author for addresses: as advancements are now made, many manufacturers are changing types and going into the manufacture of other magnetic equipment.

The Care and Handling of Magnets

Careful handling of any kind of magnet is necessary in order to prevent them from losing power or being broken or having their magnetic energy totally destroyed. Never drop a magnet or strike it a sharp blow, as in so doing the magnet may lose much of its energy.

Never store or place a magnet in hot places, as at a temperature of from 400 to 500 degrees Fahrenheit they lose all energy. After using a magnet—a flat bar or round bar or cylinder magnet—place it down on a piece of flat metal so both poles or ends of the magnet make contact with the metal. This metal is known as a *keeper:* the keeper metal acts to keep the energy flowing from one end of the magnet to the other, and in this way no energy is lost, as it is contained in the magnet.

The N-1 type and similar types of flat, wide-surface magnets bend a piece of iron, steel, or tin-can metal and shape it so that its two sides come into contact with the two flat sides of the biomagnet. This then provides for the passage of energy from one pole to the other, and no energy can simply travel off or out into space and weaken the magnet.

Keep magnets away from each other or other magnets, as in placing magnets together they may be placed so their poles oppose each other. If this happens, they will "bleed off" their magnetic charges very quickly.

25.

Electromagnets Are Different

While it is true that magnets made by passing electrical energy through a coil of wire having a metal, iron, or steel center core are very effective and very powerful, there is a difference in the magnetism as produced by a solid state, bar, metal, or composition magnet.

Magnetism has frequency, motion, and a rate of vibration depending on the size, length, width, and power of the magnet itself. Solid state, metal, iron, and steel magnets, as composition magnets, are fixed as to the type of magnetism they produce. However, an electromagnet may present far different types of magnetism due to the following facts.

Any kind of electromagnet consists of many turns of insulated wire. Each turn of this wire presents so many lines of magnetism, so a coil wound to have a certain number of turns then has a different frequency to that of a fixed or metal or composition magnet. Then, as the coil heats to the resistance, the flow of current increases, and again we have a slow drop in magnetic lines of force to a rise in lines of force, depending on the wire and core materials used. An electromagnet therefore is not a good, stable supplier of *even* lines of forces as is the metal or composition magnet.

In our years of research into magnetism and its effects, we have found that the size, width, and overall length of a magnet governs its frequency in electrical electron vibrations. At this time we are

working to provide a workable and provable table of laws that will enable all who study magnetism to see and be able to prove out this new theory and concept of magnetism. When it is done, it will open completely new avenues to understanding magnetism that are not now known of or understood by any present-day measurement standards.

The present-day Russian biomagnet research needs close watching, as their efforts to measure the electrical potential frequency of organs of the body as to their condition of health may well bring about vitally important and totally new concepts to all medical and biological sciences.

As we have reported earlier in this research report, the scientific development made by Russian scientists as to the detection and treatment of cancer by a magnet—magnetic fields—has or will be shortly announced. Further, as we have reported to you, we have been working along different lines and are now working with a number of fine doctors and researchers to support scientifically our own findings. The difference in the two methods or systems deals with our discovery and use of each of the two poles of the magnet, where their research depends on the effects of both poles of the magnet at the same time.

A fine and outstanding Canadian scientist brought to our attention, some time ago, his discovery that the sympathetic nervous systems reacted to display information on the application of a biomagnetic energy to the living system, which was later to show us that electronic instrumentations could be developed to provide diagnostic values now unknown. So, we frankly feel that our developments may present even greater scientific value than those of the Russians.

26.

New Discoveries of the Use of Magnetism

Within the past twelve years further discoveries have been made here in our laboratory. We have discovered that by imposing other frequencies of energy on a magnet's frequencies we can dissolve tumors and other foreign substances. This occurs by applying them simultaneously to tumors and/or growths. When we apply these alternating forms of voltage—energy—to a magnet's pole or poles, each supplies a different form of dissolving action.

Pressman's *Russian Book*, released just a short time ago, deals with this science also. We see that, and it's our firm belief, the Russians are further advanced as to the biomagnetic effects of magnetic fields than any other people in the world at this time.

Since we started researching this science some thirty years ago—and even elementary work prior to that—our work has shown facts that still are not known within the general scientific community, and we feel we still hold a lead. That lead is growing less as each year passes. We then strongly feel that when any nation can upgrade its scientific research in any field to that extent, we as a nation should step up our own efforts also. However, this is not now being done. Just the reverse is happening. Our research and development have been restricted by the cutback by the present administration's funding of RD research and development. We date this, for the record, as the years 1973–80.

However, private research as our own continues on, and we

hope by such private research laboratories as our own we may be able to hold our present lead in this field. This, however, will remain to be seen.

It is a known fact that our medical community knows little or nothing of the science of biomagnetics. So to what degree we shall see this science develop in the United States is a questionable matter at best.

27.

To Prove Out Some of the Many Effects of Magnetism to the Living System

The results of the current space program have produced further understandings of magnetic effects on and to the living system. The fact that is little known today to the average member of the scientific community is that when men leave the earth they also leave its magnetic cloak of magnetic protective fields and their protection against many harmful rays and forms of energy that would, if it were not for the earth's magnetic surrounding fields, act to endanger all forms of life on earth as we know them today.

It has been found that when man goes into outer space, he leaves the one-half gauss magnetic field strength, which, today, the earth's magnetic field consists of. As he leaves this very low magnetic field of the earth, he finds in space a lower magnetic field, lower than that found on the moon. This has resulted in grave and harmful effects to man. On making this discovery, vital life-force chemicals had to be introduced into man's diet away from earth to assist to offset this lowering of physical and biological energies that then resulted. Thus, from this we see that lowering even this very weak magnetic field that man and his environmental biosphere—man's biological atmosphere—suffers in many ways.

Scientific records show us that the earth's magnetic fields have been growing weaker as the years pass; a very powerful magnetic field surrounded this, our earth, many thousands and even many

millions of years ago. With the development of modern, improved scientific methods, we have now the means of dating items found on earth as being millions of years old. This is scientifically known and is fact. We have developed what is known as atomic dating. This is simply measuring the amount of radioactive carbons that from their conception have a very slow rate of decomposure. This allows the energies found in carbon, as one element so used, to provide a known conception date for matter found on earth.

By this method, it has been possible to also measure the amount of magnetism that was on earth during the periods of the existence of the large mammals and great beasts that once roamed earth's surface. It was found that when the earth's magnetism was high there were large animals and mammals present on earth, and as the earth's magnetic fields grew weaker the large creatures of the earth seemed to die off and smaller forms of animals, large, yet smaller, were found in existence. The facts as they present themselves show us or indicate to us that the size of the animal, its area of intelligence, may be so affected by the state of magnetic energy as found on earth. Magnetism, regardless of how one may look at or study it, is a form of energy and as such can and does affect all mankind, animals, and living systems on the earth.

In our some twenty years of research into the magnetic effects of magnetism on life and living systems, on chemistry, its part in physics, electronics, and man's biosphere, all findings show that it can be a valuable tool in many professions and sciences, and not just for the aid to mankind to arrest and control diseases, and improve man's health, mental attitude, and/or physical development. As all these things are now possible and as research continues, we feel biomagnetics, as one phase of this science, will alter all concepts of medical approaches to healing the sick.

We strongly feel that there will soon be an announcement as follows: A MAGNET'S MAGNETISM CAN BE USED TO DIAGNOSE ANIMAL AND HUMAN ILLS, AND WITH THIS THE DETECTION OF CERTAIN TYPES OF CANCERS AND THEIR POSSIBLE ARREST AND/OR CONTROL.

We have researched and found and also have been presented with sufficient evidences that the above announcement or statement

is correct in all respects. We further feel that very soon, even now the Russian scientists have discovered how application of magnetic fields can detect cancers and other ailments. Whereas their approaches are different in nature and application to the methods and systems we have developed, the fact remains that they have done this.

While we have been working with a number of fine doctors and scientists to investigate our own findings, their work has proved to support our own, and when this can be done it acts to offer support to our research findings. Even prior to our meeting a number of these fine men and women, one or two of these researchers have made discoveries that now provide even additional facts to support that diagnostic methods can be applied by the use of the two, not one, magnetic fields. Each has a reaction to the body and as such each plays an important part in properly and quickly diagnosing many human and animal illnesses. Watch for more on this, soon.

The Differences between the Systems of Diagnostic Measurements of Russia and the United States

The Russian scientists have discovered that each organ of the body, each segment, part, has an energy that can be measured. Measured by that organ or segment's own normal energy. It is that energy that is within each and every organ of the living system, all living systems. By measuring the emitted or energy present in that organ, they can tell by the amount, form, or type of that energy if that organ is defective in any way or manner. In other words, is it working as it should? If not, there is trouble there.

The method we have long sought to have acknowledged is that all organs and parts of the human or animal body have a magnetic, biomagnetic environment, and when we apply an external energy to the magnetic cloak or contained energy, there is a stimulation effect. Should that, or any organ, fail to react to that applied stimulation then that organ is not as it should be, as here, as in all physics and its laws, there are two reactions to any form of applied and different potentials of energy. Then here we find also a negative

effect, or a reduction in an organ's efficiency, if the energy applied is negative to that organ's normal operating energy environment. We have proven many times in many of our scientific manuscripts dealing with the effects of magnetism, biomagnetics to the living system, the two resulting effects of the two poles of the magnet to the body of animals, now man. While the south pole (positive electron energy) can and does upgrade the activity and strength to all living systems, the reverse is found when we apply the north pole, the negative electron energy to all living systems, as the north pole, or the negative electron energy, then acts to reduce the use of all available biochemical activity of that vital life-support chemical energy of the living system, i.e., protein, sugars, and stored energy.

In the language of the computer age, "Go" means good, okay, while "no-Go" means stop, not good. Applying the computer language to the science of the effects of the two poles of a magnet to a living system, we have a "go" signal as to the good effects, the stimulating effects of the south pole, the positive electron energy to the living system, while in the use of the north pole, the negative electron energy to the living system, we have a "no-go" effect. Now should we use both poles of a magnet, a biomagnet, to a living system, we have both a "go" and a "no-go" applied at the same time. One energy stimulates a living system, while the other energy is reducing this or controlling this positive stimulation to the body proper. Therefore, we obtain neither in its full effective and possible applied and resultant uses.

However, if we examine this carefully, we will find a form of stimulation of the living system that these two separate and different forms of energy are applied to. While far less effective in nature, it does apply a form of stimulation.

Now, from the above discussion, we can better understand the effects of each pole of the biomagnet and the combined results of using both poles of the magnet when used together, at once, at the same time.

28.

The Effects of a Magnet's Fields to Upgrade Water

Regardless as to present-day accepted opinions of major scientists dealing in the science of water, water can be altered and its resulting properties used in the control of a number of human or animal ailments. We were told twelve years ago not to write any papers on the effects of magnetic fields on water, as water simply was water, and no one could alter plain water. The authorities in this field still stick to this old and outmoded concept. However, we have proven that water can be changed, and we will now discuss this as to our findings. Here again, before entering into a discussion of our findings, we would like to point out that the Russian scientists have been using polarized water, magnetically treated water, in their hospitals for years.

The Russian method of treating water is to hang a bottle of water up on a suitable stand and place a simple valve in the bottle's end and adjust the valve to allow drops, not a stream of water, to drop as drops, as fast as possible without turning into stream. Place then a horseshoe magnet so that the drops of water will drop and pass through the ends of the two poles of this type of magnet. Collect the water in another bottle or jar below the magnet used. Then use the water. It was soon discovered that the water improved the physical senses of man. However, here again we see the failure to use each pole separately. This then would provide three types of treated water and not simply one type.

Now to our own research and findings as to effects of treating

water with magnetic fields. Using the *end* of a straight bar or cylinder magnet, the *north*-pole end, and allowing water to drip past only this pole resulted in sores that healed more rapidly, when they were washed with the water.

We soon found that a far better and very simple way could be used to polarize water. This by obtaining a glass or plastic one-gallon jug with a tight cap. Filling it with plain tap water, and placing the north pole of a long bar or cylinder magnet of 1,000 gauss against one side of the jug, we discovered that in twenty to thirty minutes we had a fine gallon of magnetically treated water. We soon found that leaving the magnet against the jug, all the time, day and night, and adding water as we used it, was the most simple method and most practical. Placing the jug on the north side of the N-1 bio-magnet works the same.

We are sure that we all have experienced a letdown in the mid afternoon and find it difficult to get things done. We found that we could overcome this letdown by drinking an eight-ounce glass of north-pole-treated water and sitting down for a few minutes. We have personally found that we can get back to work and there seems to be a feeling that now we must get the job done, whatever it may be. We have tried supplying only this water to listless animals and find that they too respond, as they soon become interested in what is going on around the lab and the home and also start to play and be more active. Again, these are our own findings and we believe after using this water for a number of years, we can say its value to us has been rewarding and outstanding in effects.

What about watering plants with polarized water? We have tried this also and note an improvement in the health and maturity of plants if they are *watered at the roots only* and with south-pole water, as the south pole, as we know, acts to encourage activity to where and to whatever it is applied to; water then seems to be no exception to the effects.

What Happens to the Water When Polarized by a Magnet

It required several years of time and work to actually find what was happening to the water when we applied a magnet to it; the

Russian scientists have not announced their findings in this respect yet, so allow me to tell you our own research findings now.

On submitting samples of this water to universities for agriculture analysis of the mineral contents, solids, PH, and all other tests, the results were: *no difference* in the treated water and the plain, untreated tap water. This was when the water was treated with the north or the south pole by themselves. However, we knew that there was a very positive change in the water itself when treated by either of the two poles of the biomagnet. However, when you as a person know something, can see the results of what is happening, yet do not and have not the means to prove it scientifically, it is most difficult to explain.

So the job then was to find a way to prove there was a difference. No amount of normal, chemical tests, PH tests, acid or alkaline tests, or mineral tests would show the slightest difference between the treated water and the untreated waters. So, we then turned to testing for the amounts of oxygen and hydrogen that water is chemically composed of. Here we found an interesting discovery, that the oxygen level was lower in the treated water than it was in untreated water. While the hydrogen amounts seemed not to differ, there was a change in the hydrogen-ion electronic activity. The hydrogen ions charged particles were altered to a degree to present a noticeable higher state of activity. This then was later checked and checked again, many tests were run, and the same results were found—enough to know these were the effects to date.

Since then, *new* instruments were developed here in the laboratory to assure that further tests could be made to show the electronic effects of the only basic ion in water, that being the hydrogen ion.

The upgrading of the activity of the hydrogen ion in water then was seen, and can now be supported. Even greater discoveries now have been made on altering the hydrogen and oxygen activity of water. Also, I have been able to examine the effects now to a point that we can make available, unavailable in their present form, minerals and chemicals that will be of future value in treating waters—for many uses in the fields of chemistry, biochemistry, and agriculture. With the addition of additional magnetic fields, greater changes are noted.

With equal interest I noted that when we treated the water with the simple north or south poles only we acted to reduce the amounts of dissolved nitrogen in water, this acting to make it safer for human and fish alike to consume if the water might be stale or old or stored for any length of time. The now-known fact proved here in our laboratory is that should we remove nitrogens from rivers, streams, or lakes, the algae would not grow in such large amounts so as to consume the dissolved oxygen from these waters. This, in effect, causes the death of large numbers of fish. Here we can visualize the use of magnetic-treated water and the methods of doing it, using it as a means of combatting the red tides of invading biological life that today are growing in amounts, killing fish by the millions, and depositing them on the shores, the sea shores of our country's beaches and inland waters. Yet, our present state of accepting new scientific discoveries would appear now to prevent this discovery's use for many, many long years.

However, any man or woman who enters scientific research knows full well what he or she faces and must at all times maintain a positive mental outlook, as exploring the unknown and finding answers is their life's work. Having the pleasure of a visit two months ago by some noted scientists from several countries, we were introduced to the research being conducted, in part, in Japan. They are there weighing fluids and exposing the fluids to magnets' fields; they now are using only both poles of a magnet, yet are recording the change in the normal weight of fluids when they expose these fluids to a magnet's twin both fields. We had the great pleasure in introducing their doctors and magnetic-physics scientists to our discovery that the magnet has two energies, not just the combined energies of the two poles of the magnet. We hope they will take back with them this knowledge and use it to further their work, as are other scientists who have been here from other countries and are now exploring this vitally important new science, the science of biomagnetics.

The Japanese scientists pressed the point that the fluids change their weight when placed in a magnetic field. Why, they do not know yet. However, we feel that all of us, from student to professional, would see that this change of weight is then the result of the

two pole energies spinning in opposite directions, and electrical energy as that coming from the poles of a magnet has motion, and motion then results in a pressure or lack of pressure, and this then would account for the change in weight.

While in this research report we have discussed many interesting subjects, there are many more, and we hope to be able to write more on the science of biomagnetics and its effects to many sciences and subjects as time and research go on.

We have been advised by many researchers of the need for such a general report as this one we have now presented. We have undertaken to publish this and have attempted to present those findings that will offer new and interesting information as to the effects of magnetism on many systems, living systems, subjects, diseases, and complaints as we have found them to be in our animal research. Since man is a form of animal, the findings we have made in these reports we feel should be noted by medical, scientific researchers and directed to man, as many animals have the same responses to treatment as does man.

This report was not—we repeat—*not* written for its use or information, to be used in the treatment of human ills. However, medically inclined researchers will, we hope, find it to be of value in applying their research to advanced living systems.

While we have attempted to stay away from highly technical terms and physics and mathematics in this primary report, the facts we have presented can be reproduced by any man or woman, or student, having the necessary knowledge, formal or informal education, tools, and equipment to so reproduce these research tests and experiments. In making this, we feel we have produced a well-directed scientific report and, in part, discovery report of researched and supportable facts as we have found them to be.

Should any researcher, doctor, scientist, student or interested party wish to write us personally, we will at all times endeavor to assist them within the scope of our knowledge and/or abilities. This is in regard to aiding their understandings of this science as we have come to know it and understand it.

29.

Updated Information on Magnetism and Its Effects on Bone Fractures and Arthritis

Bone Fractures

While these two conditions may be totally different in nature, each has responded to the applications of magnetic fields to aid in their recovery. During the mid-sixties, our interest turned to the use of magnetism. A magnet's fields were applied to bone fractures, and my findings were that each pole of a magnet acted to provide an entirely different effect to biological systems. Research was conducted on animals who had, as the result of accidents, suffered broken bones and fractures. As the result of this research, we discovered that when a bone is broken or fractured, the outer surface of the bone develops a high negative bioelectrical voltage. This negative voltage remains until the bone or fracture has healed. At the same time the center of the bone takes on a positive charge. Following this discovery, Dr. H. Cohn of NASA was to support this, and he also assisted further with the findings that in damaged or infected cells, as in the case of cancer, a rapid rise in negative bioelectrical energy existed and remained higher than normal until recovery was effected. This further supported our work.

During these research experiments, I placed the south pole of a suitable flat-surfaced magnet below the break, and the north pole of another flat-surfaced magnet, of about 2500 gauss, above the

break. The north pole attracted, dissolved, or freed calciums, which were released by the south poles expanding effects, across the break/fracture. The bone healing time was reduced up to 40 percent or more, and the mend was stronger than was found as a result of allowing normal unassisted healing to take place.

Since the south pole of a magnet offers a positive form of energy, while the north pole of a magnet offers a negative form of energy (the difference between the two domains of a magnet's poles energies is alike)—Apply a small amount of negative electricity below a break and a like amount of positive (DC) or pulsing AC electricity above the break. The results are, since positive energy flows to negative energy, that we have formed a circuit to free calciums and draw them across the break. This speeds up the healing of the break or fracture.

Arthritis

It is of further interest to note the effects of low millivolt electricity and a magnet's energies toward relieving arthritis. In many forms of arthritis, the buildup of excessive amounts or deposits across the fingers of the hands, joints, and the extended members of the body limit movement and act to cause great pain when movement is attempted, therefore limiting movement and further aiding the buildup of these calciums.

We have found that when the north pole of a suitable flat-surfaced magnet of about 2500 to 3000 gauss is used against these calcium buildups, as across finger joints of other extended members, the calcium is very slowly dissolved and swelling and the limiting action of movement is reduced. This occurs over a period of time dependent on the condition of the animal or person. Their health and age play an all-important factor in this research, not as to effects but the length of time required to see some effective results. Duration of the magnet's applications are forty-five minutes to an hour, directly on the affected member, joints, or areas. This should be done daily. Where there exists a fused joint, little can be done to restore the motion to the joint. If fusion has not taken place, then

there is a very good chance of relief, even recovery.

We have used one electromagnet coil over an affected member with very good results, as we have also used two electromagnetic coils, one above and one below the affected member or area. Identifying the poles of these electromagnets is also of the greatest importance. Place each, or the one, as we have described in the use of two magnets in bone healing.

The magnets we have designed and used in this research are flat, having the north-pole surface on one side and the south-pole surface on the reverse side, thus making each single pole available for selected use. An Alnico or crematic magnet, two to four inches wide and about six inches in length, having a gauss strength of from 1800 to 3000 to 5000 has proved best. Above this strength, the effects seem to level off, so these strengths appear to affect the biological system better than lower-or higher-gauss magnets.

Bibliographical References on the Science of Biomagnetics

Reference Books and Papers Offered in Support of the Science of Biomagnetics

The Library of Congress. "Science and Technology Projections." (Projects on magnetism and its effects on living matter. Prepared for the office of naval research under contract NAonr-13-47 Washington, March, 1949)

Barnothy. *Biological Effects of Magnetic Fields*. (former professor of physics, University of Illinois, College of Pharmacy. New York: Plenum Press, 1964)

U.S. Army, medical library references

Quarterly Cumulative Index Medicus. (annual volumes, 1923–1947, and January to June, 1947)

Electromagnetic Fields and Life. A. S. Pressman. (Consultant's Bureau, Plenum Press, IFI/Plenum, New York-London, translated from Russian to English. Latest scientific research dealing with the effects magnetic and electromagnetic energies have on living systems and also on biological life systems)

Albert Roy Davis and A.K. Bhattachrya. *Magnets and Magnetic Fields*. Calcutta, India: (Firma K.L. Mukhopadhyay, 1970–71 editions. Significant effects of experiments on plants, animals, and human systems by biomagnetic exposure.)

References

W. Gilbert, "De Magnete Magneticisque Corporibus et de Magno Tellure," *Physiol. Nova* (London: 1960)

G. D. Sommers, "Proc. Nat. Electr. Conf., Chicago," 25 (1969), 265

M. W. Freeman, A. Arrot, and J.H.L. Watson, "Magnetism in Medicine," *J. Appl. Phys.*, 31S (1960), 404

S. Maeshima, "Magnetic Healing Apparatus," U. S. Patent No. 1,421,516 (July 1922)

W. Haberditzl, "Nature," 213 (1967), 72

M. Eibschutz, *et al,* "Nature," 216 (1967), 1138

T. Svedberg, "Kolloid Z.," 21 (1917), 19; *ibid.*, 22 (1918), 68

C. A. Tobias, H. Aceto, Jr., and T. L. Silver, "Institute of Electrical and Electronics Engineers (IEEE) Trans. Magnetics," *MAG-6* (1970), 368

M. A. Ukolava and Y. B. Kvakina, "Voprosy Onkologii," 16 (1970), 88

A. d'Arsonval, "C. R. Soc. Bio," 48 (1896), 450

D. Irwin, *et al* "IEEE Trans. Magnetics," *MAG-6* (1970), 321

P. W. Neurath, in "Biological Effects of Magnetic Fields," 2 (New York: Plenum Press, 1969), 177

L. D. Davis, K. Pappajohn, and I. Plavnieks, "Bibliography of the Biological Effects of Magnetic Fields," *Fed. Proc.*, 21, *Sup.* 12, Part II (Sept. 1962), 1–38

H. S. Alexander, *Amer. J. Med. Electr.*, (1962), 181

Symposium on Application of Magnetism in Bio-engineering, "IEEE Trans. Magnetics," *MAG-6* (1970), 307-375

A. Kolin, "Evolution of Electromagnetic Blood Flow-meter," *UCLA Forum Med. Sci.*, 10 (1970), 383

Bibliography

———, Piruzyan, L. A., and Tsybhev, V. P. "U.V. Absorption Spectra of Sarcoma-Thirty-Seven Ascitic-Fluid Proteins under Effect of Permanent Magnetic Field." Isv. Akad. Nauk, SSSR, Ser. Biol. 2a, pp. 220–27 (in Russ. with Eng. summ.), 1974

———. "Absorption Spectra of the Ascitic-Tumor Sarcoma-Thirty-Seven Proteins and Hemoglobins of Tumor-Bearing and Intact Animals under the Effect of a Permanent Magnetic Field in Vitro." Ibidem, Biol. 6a, pp. 917–20 (in Russ. with Eng. summ.), 1974

———. "Study of the Changes in the Propriety of the Ascitic Fluid of Sarcoma-Thirty-Seven under the Action of a Constant Magnetic Field by Dispersion Analysis of Crythrocytes," Ibidem, Ser. Biol. 6a, pp. 932–35 (in Russ. with Eng. summ.), 1975

Aslanyan, R. R. and Tul'skii, S. V. "Inhibition Actimonycete Spore Germination in a Stationary Magnetic Field," *Microbiologiya*, vol. 42, no. 3, pp. 556—558 (in Russ.), 1973

Ataev, M. M. "Mutual Effect of Changes in the Intensity of the External Magnetic Field and the Intensity of the Nervous Excitement in the Central Nervous System." Isv. Akad. Nauk, SSSR, Ser. Biol., vol. 1, pp. 119–134 (in Russ. with Eng. summ.), 1972

Badger, B. *et al* "UWMAK-I, a Wisconsin torodial fusion reactor design, UWFDM-68." University of Wisconsin: 1974

Baicamova, R. A. and Aliev, N. P. "Effect of a Constant Magnetic Field on the Genetic and Biological Properties of Staphylococcus." HCH, ZAP, Azerb. Med. Inst., vol. 33, p. 180 (in Russ.), 1971

Barlow, H. B. Kohn, H. I. and Walsh, E. G. "Visual Sensations Aroused by Magnetic Fields," *Am. J. Physiol.* 148: 372, 1947

Barnothy, J. M. "Growth Rate of Mice in Static Magnetic Fields," *Nature* 200: 86, 1963

———. Barnothy, M. F. and Boszormenyi-Nagy, I. "Influence of a Magnetic Field upon the Leucocytes of the Mouse," *Nature* 177: 577, 1956

Barnothy, M. F. (ed) *Biological Effects of Magnetic Fields, Vol. 1* (1964) *Vol.* 2 (1969) New York: Plenum Press

———. and Barnothy, J. M. "Biological Effect of a Magnetic Field and the Radiation Syndrome," *Nature* 181: 1785, 1958
———. and Sugemi, I. "Abnormalities in Organs of Mice Induced by a Magnetic Field," *Nature* 221: 270, 1969

Build Your Library

Dear Friends,

I receive so many letters asking how many books have I/we written on the science of *biomagnetics*. Many are concerned as to the date of the books' publications. Yet, for example, if one of my books in hardback or paperback was published in 1965 or 1973 or 1980, the research work which led to the discoveries as to the effects of magnetism in the living system remains the same.

In my writings—books and papers—I have always started at the beginning, and the basic effects each pole of a magnet has on living things do not change as to when a book or paper is published. New books which I write or papers I write add to what has been learned in previous years. When new information is made available, between books, I will as I have in the past and today, present these in the form of reports or papers. You should obtain these and add them to your library. Biomagnetics is a *natural science*. Try to keep your library updated. Your library is your reference materials.

—Albert Roy Davis

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The Rainbow in Your Hands

This is the first book ever written that presents evidence from new scientific discoveries in the field of biomagnetics that the "laying on of hands" is a significant natural phenomenon. Included in the book are biomagnetic experiments and tests that readers can easily do at home.

In this book, Davis and Rawls present and discuss biomagnetic experiments and research that have been sucessfully duplicated by members of the orthodox scientific community. The authors reveal the factual, natural basis of applied biomagnetic energies and add greatly to the understanding of this new and exciting field.

". . . Great and important book . . . bound to be profoundly helpful to more people than you will ever know. . . . You are open-

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Fully illustrated, this is the first book ever to explain how magnetism affects your life and the life of all living systems around you. The result of years of investigation into the laws of magnetism, it explains the discovery that a magnet has not one effect on the living system but two effects, each supplied by the two forms of energy transmitted from each pole of any and all magnets, even the earth itself, which is a giant magnet. You or any other qualified person can reproduce the projects in this book.

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" . . . Outstanding and just what is required in the science of magnetism . . . a fund of knowledge that can be applied PRACTICALLY in healing."

—Dr. Leslie O. Korth, Kent, England

Research Notes

About the Author

Albert Roy Davis, scientist, born Halifax, N. S., Canada, June 18, 1915—parents, William Albert and Annie Agnes (Robinson), D.—attended the University of Florida in 1936. He came to the United States in 1922, and was naturalized in 1936. Owner and manager of Roy Davis Research Laboratory, Green Cove Springs, Florida, since 1933; writer of technical papers on radiological fall-outs, AEC, 1945–46; associate professor in biomagnetic sciences at Naihatl West Bengal, India Research Center, 1964—68; he received an honorary degree of science in 1965. On board of directors of Albert Roy Davis Aerial Phenomena Research Association and United Science Federation, both in Green Cove Springs. He served, under contract, the Air Transport Command, USAAF, port-security division USCG, 1942–43. Acknowledged for work introducing biomagnetic sciences to doctors and scientists in India by Prime Minister Gandhi in 1971, and acknowledged by industrial manufacturing firms of Japan for work to serve humanity through science of biomagnetics in 1971. Mr. Davis is author of *Biomagnetic Effects on Living Systems*, 1965; *Cancer and Biomagnetics; The Anatomy of Biomagnetics; Sex Life and Aging; Nature's Library; Magnetism and Its Effects on Biological Systems;* and *Cancer Arrest by Biomagnetic Application;* and also numerous general-science courses for grade-school students, high-school students and college students. He developed methods for stimulation and control of milk products through application of magnetic fields and energies in 1965, and methods to control nitrogen in water, for ecological studies through biomagnetic molecular stimulations, in 1969. Research continues

today at the Albert Roy Davis Research Laboratory. Should you wish to write the author please enclose a long legal-size envelope and three twenty-cent stamps to cover materials and to answer your letter. Any and all communications should be addressed to:

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The above information is as of June 18, 1980. Should anyone be interested in visiting the laboratory, please contact us in advance so arrangements can be made to properly receive you or your party.